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JULY 4, 1931.

Vol. CXV.

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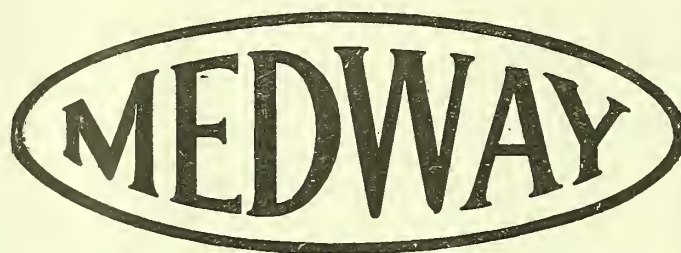
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1	"	Medium Strength ..	3	9
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				s. d.
				7 6
$\frac{1}{2}$	doz.	6d. Distemper Powders ..	1	10 $\frac{1}{2}$
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1 gross	3 gross	9 gross	15 gross	30 gross	1 lbs. or equivalent.
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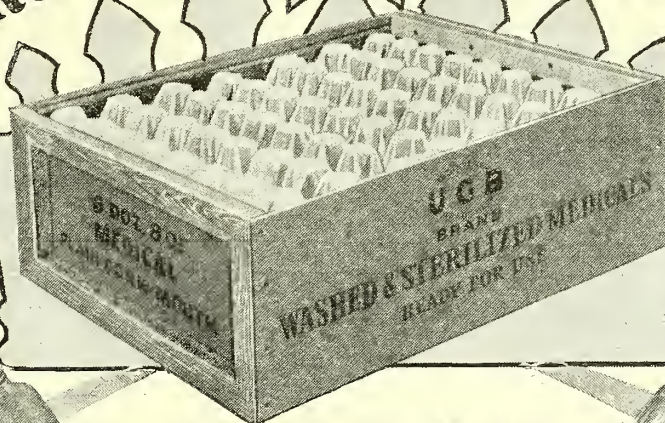
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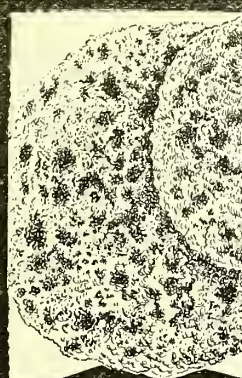
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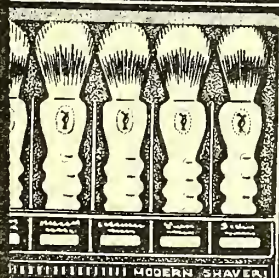
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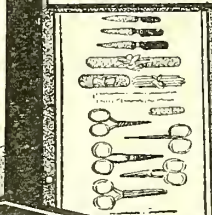
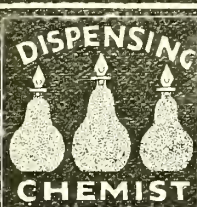
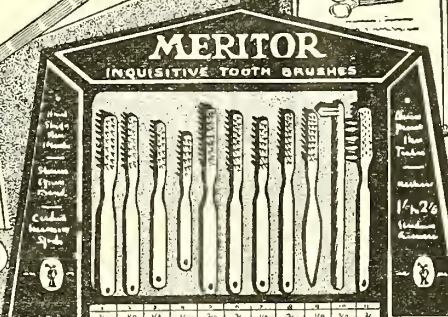
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N.H.I. 5^d. per gr.

Ordinary 8^{3d}. „

Fine 1/1¹/₂ „

Finest 1/8 „

10 gross carriage paid.

20 gross - - less 5%.

Less 5% cash with order.

Write for full Price List and Size Gauge

N. W. Mitchell & Snow, Ltd.

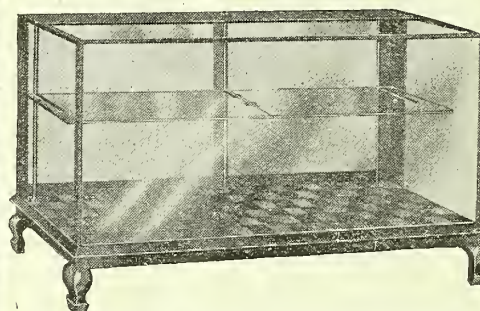
"The Cork Firm."

Limehouse, London, E. 14.



X J. C. KING'S X

"SUPER" SHOWCASE



Ref. No. H.2109. This magnificent Showcase can be supplied with either a solid oak or mahogany frame. First quality new 1-in. drawn plate glass front, top and sides, with two clear glass sliding doors at back on roller bearings. Interior fitted with brown bronze standard bar and adjustable brackets, and one row of plate glass shelves 12-in. wide x 1-in. thick polished edges. The bottom of the Showcase fitted with parquet floor. Handsome carved legs and easy running gliders. Overall dimensions:—

6 feet long x 3 feet high x 2 feet back to front.

£10 INSURED FREE IN TRANSIT

Send for Full List of Fittings, No. 1013, post free.

J. C. KING, LTD.

SHOPFITTING SPECIALISTS,

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Phones: CLERKENWELL, 2316 (6 lines).

X X

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Every Batch Standardised

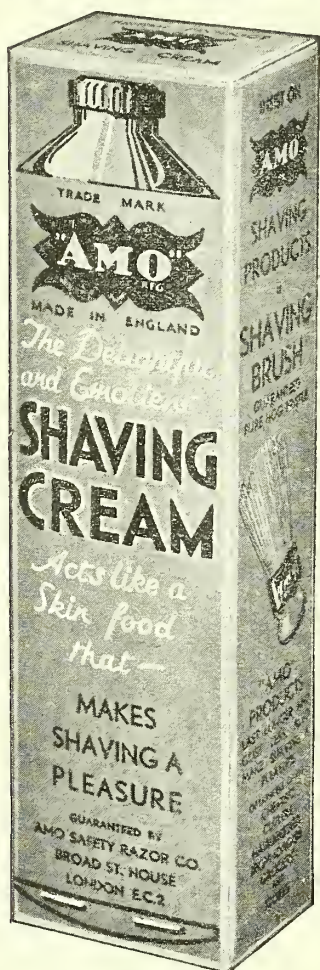
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Supply "EVANSOL" and you ensure satisfaction. The illustration above shows the attractive Display Material provided, and includes brightly-coloured crêpe paper in two shades.

EVANS SONS LESCHER & WEBB LTD
LIVERPOOL DUBLIN LONDON

AMO GIANT TUBE SHAVING CREAM

BRITISH
PRODUCT



A DELIGHTFUL
& EMOLLIENT
SHAVING
CREAM MADE
OF SUPERIOR
INGREDIENTS
CONTAINING
PROPERTIES
FOR THE
PROTECTION
OF THE SKIN

CONTENTS
4 OZS. NETT

RETAILS

1/-

SIZE $7\frac{1}{4} \times 2 \times 1\frac{1}{2}$ "
CELLOPHANE WRAPPED
PACKED 1 DOZEN
— IN —
DISPLAY CARTON

APPLY FOR
TERMS OR
SEND 9d.
FOR SAMPLE
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AMO SAFETY RAZOR BLADE CO. LTD.
BROAD STREET HOUSE
LONDON, E.C.2

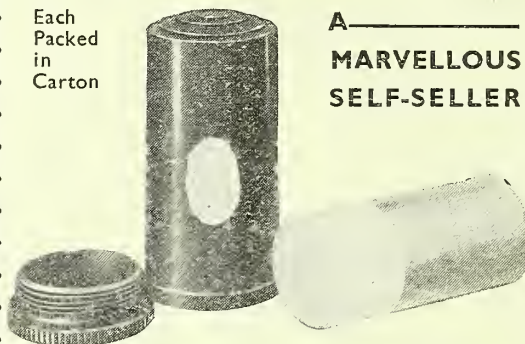
A TRADE STAGGERER!

THE "RARLEW" SHAVING STICK

In Ebonised Container

Price 5/6 per dozen

Each
Packed
in
Carton



A _____
**MARVELLOUS
SELF-SELLER**

The ebonised Container is beautifully finished, non-corrosive, with carrier-cap. The Soap produces a creamy lather and is delicately perfumed.

REFILLS, in tinfoil, wrapped in cellophane

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PHONE: METROPOLITAN 3050

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To meet a widespread demand we are now marketing a new preparation named Oilafix. It is merely our well-known non-greasy Hair Cream with added oil. Oilafix does not compete with Jackel's Hair Cream—but you should stock both. Many customers to-day demand an oil Cream.

Both are the best of their class—
The original and leading Creams.

OILAFIX Trade Terms:
12/- per doz., retailing at 1/6 per bott.
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JACKEL'S HAIR CREAM
11/6 per doz., retailing at 1/6 per bott.
18/- per doz., retailing at 2/6 per bott.

JACKEL et CIE (of Paris) Ltd.
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London Agents: **THE PHIL-SANO Co., Ltd., Craven House, Kingsway, W.C.2**



Let the "GEM"
make money for you

Write for particulars and
name of local agent to the
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AUTOMATIC WEIGHING
MACHINE COMPANY
LIMITED
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CORKS

**TO
BUY
NOW**

**SPECIAL
OFFER**

6^{d.}

**PER
GROSS**

**8 oz.
SPECIAL**

Per gross - - 6¹/₂d.
50 gross lots - 6¹/₄d.
100 gross lots - 6d.

**4 oz.
SPECIAL**

Per gross - - 6d.
50 gross lots - 5³/₄d.
100 gross lots - 5¹/₂d.



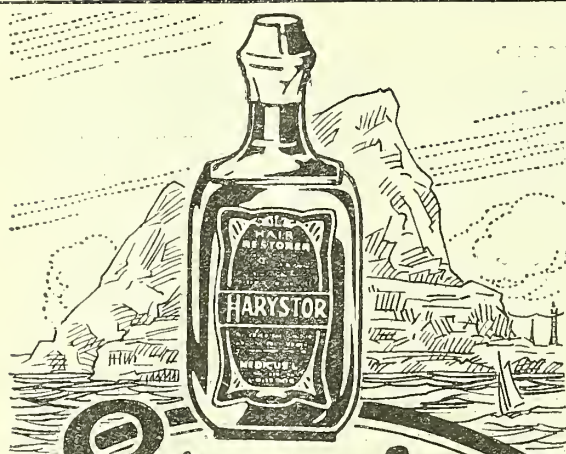
A huge special purchase
but at these prices will
quickly be sold.

	6 gr.	12 gr.	24 gr.
N.S., for 6 oz. and 8 oz., cheap for Insurance Scripts per gross	8 ¹ / ₂ d.	8 ¹ / ₂ d.	8d.
Madrid, for 1 dr., 2 dr., ¹ / ₂ oz., and 1 oz. vials ..	10 ¹ / ₂ d.	10 ¹ / ₄ d.	10d.
Do. XX, same size as Madrid, but superior quality	1/-	11 ³ / ₄ d.	11 ¹ / ₂ d.
Faro, for 2 oz. and 3 oz. bottles	11d.	10 ¹ / ₄ d.	10 ¹ / ₂ d.
Do. XX, same size as Faro, but superior quality	1/3	1/2 ¹ / ₂	1/2 ¹ / ₂
Long Velvet Vials, for 3 and 4 oz. bottles ..	1/9	—	—
Do. Do. for 6 and 8 oz. bottles ..	2/-	—	—
Braga, long tapering, for 2 oz. and 3 oz. bottles	1/-	11 ³ / ₄ d.	11 ¹ / ₂ d.
Do. XX, same size as Braga, but superior quality	1/4	1/3 ³ / ₄	1/3 ¹ / ₂
Lisbon, assorted for 6 oz. and 8 oz. bottles ..	1/-	11 ³ / ₄ d.	11 ¹ / ₂ d.
Do. XX, superior quality	1/4	1/3 ³ / ₄	1/3 ¹ / ₂
Lisbon, 6 oz. only	11d.	10 ¹ / ₄ d.	10 ¹ / ₂ d.
Do. XX, superior quality	1/4	1/3 ³ / ₄	1/3 ¹ / ₂
Lisbon, 8 oz. only	1/1	1/0 ¹ / ₂	1/0 ¹ / ₂
Do. XX, superior quality	1/4	1/3 ³ / ₄	1/3 ¹ / ₂
Cerdeva, for 8 oz. and 10 oz. bottles	1/4	1/3 ³ / ₄	1/3 ¹ / ₂
Do. XX, same size as Cordova, but superior quality	1/8	1/7 ³ / ₄	1/7 ¹ / ₂
Cadiz, for 10 oz., 12 oz., 16 oz. bottles	1/4	1/3 ³ / ₄	1/3 ¹ / ₂
Do. XX, same size as Cadiz, but superior quality	1/9	1/8 ³ / ₄	1/8 ¹ / ₂
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Lugo, for 20 oz. and 30 oz. bottles	2/-	1/11 ³ / ₄	1/11 ¹ / ₂
Ginger Beers, XX, quart size	1/-	11 ³ / ₄ d.	11 ¹ / ₂ d.
Do. XXX, pint size	1/-	11 ³ / ₄ d.	11 ¹ / ₂ d.
Do. XXX, quart size	1/3	1/2 ³ / ₄	1/2 ¹ / ₂
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Do. quarts	4/6	4/5 ³ / ₄	4/5 ¹ / ₂
Emulsions, for W.M. Emulsion	3/3	3/2 ³ / ₄	3/2 ¹ / ₂
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CORK SHIVES cut to suit all requirements

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**EVERYTHING PHARMACEUTICAL
LIVERPOOL**



Steady as a Rock

THE enterprising Chemist who stocks "Harystor" will build business for himself that is as steady as a rock.

"Harystor" is not a nine-days' wonder. It is a preparation for the Hair produced by the renowned Specialist in Manipulative Surgery and Dietetics—Mr. E. W. Blake.

The skill of Mr. E. W. Blake will be known to many of your customers and anything that bears his name will command respect.

**BLAKE'S
HARYSTOR**
HAIR-RESTORER
PRESERVES & BEAUTIFIES THE HAIR

"Harystor" will prevent

FALLING HAIR, BALDNESS, DRYNESS,
THINNESS, DANDRUFF, DULLNESS,
OR OTHER HAIR TROUBLES.

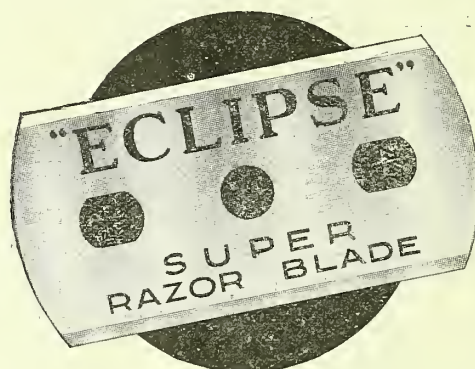
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Show "Harystor" and reap the reward from the extensive advertising now going on in the Daily Press.

"Harystor" is obtainable through all
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The British Blade that sells on Quality



The consistent Quality of "Eclipse" Blades is supported by a Money-back Guarantee of Satisfaction in every packet.

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FOR
1/-

Minimum trade discount 33 1/3%.
Order from your usual wholesaler, or direct from the Sole Manufacturers—

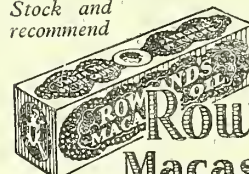
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FOR
1/8

JAMES NEILL & Co. (Sheffield), Ltd., Composite Steel Works, SHEFFIELD

Selling Suggestions

Rowland's Macassar Oil keeps the hair naturally immaculate, for it controls the hair simply by making it soft and flexible.

Stock and
recommend



Of all Wholesalers
to retail at 3/6,
7/- and 10/6.

J. H. & Co.

**Rowland's
Macassar Oil**

A. ROWLAND & SONS, Ltd., 22 Laystall St.,
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A Good Seller

As a tonic to prevent hair falling, to promote growth, and as a natural colour restorer for grey or faded hair—

MORGAN'S POMADE

has no equal. It has been before the public for 40 years, and testimonials from all over the world prove its wonderful efficacy. Profits are generous, sales are quick, and customers are always satisfied. Morgan's Pomade is as near the ideal selling line as any hair preparation can be.

Retail 1/9 and 3/3 per pot. Wholesale 14/- and 26/- per doz.
On P.A.T.A. List.

MORGAN'S SOLID BRILLIANTINE

Keeps the hair in position and acts as a Tonic and Invigorator.
Retail 1/- per tin. Wholesale 8/- per doz. Discount on larger quantities.
Write for full particulars.

The MARIE ANTOINETTE CO., LTD. 149 JUNCTION ROAD, LONDON, N.19. 1





*We shall be most happy to share
our great success with you!*

Harriet Hubbard Ayer are proud to think that their beauty preparations have—in so short a space as three years—established themselves firmly in the favour of discriminating British women. Important retailers all over the country are finding it pays them well to stock the whole range—and, lately, have found it necessary to carry larger supplies.

We can, we think, attribute their success to three things. First, the outstanding quality of Harriet Hubbard Ayer preparations, and the obvious improvement every woman notices in her looks after she has used them for a very short time. Second, their very real economy—for each cream and lotion combines in itself more than one function—LUXURIA, for instance, is a cleanser, a skin food and a bleacher, all in one. Lastly, widespread, judicious advertising in the National Press and in the most fashionable women's periodicals.

By linking up with Harriet Hubbard Ayer now you will be doing a really sound thing for your business. You will identify yourself with an established success—and be in a position to offer your customers a product which never fails to please them.

Write to Harriet Hubbard Ayer Ltd., 130 Regent Street, W.1, for a comprehensive catalogue and terms. Or, better still, call in and see our spacious new showrooms and we will gladly give you all particulars personally.

The retail prices for the famous LUXURIA Cream are 2/3, 4/=-, 8/6, 11/9.

HARRIET HUBBARD AYER

Beauty Preparations

LTD

PARIS

LONDON

NEW YORK

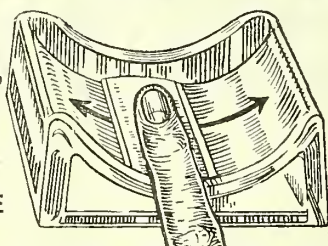
SAFE TO STOCK EASY TO SELL SURE TO PLEASE

Sold from Norway in the North to the Falkland Islands in the South.

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LILLICRAP'S HONE

1/-
SIMPLE
EFFECTIVE



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BLADES

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Made in Uranium Glass with a specially prepared surface.

Lillicrap's Hone embodies a scientific principle. Like many of the inventions which have been great boons, it is simple in the extreme but is perfectly effective.

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The demand is universal. Participate in the Sales.

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If you are interested in a service of this kind, send us your next enquiry and ask us for samples.

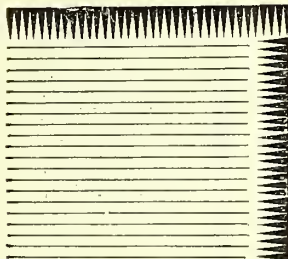
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THE
HAIR RESTORER

6 Bottles in Case for
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PROMOTES, PRODUCES, 1/3 size .. 12/6 per doz.
BEAUTIFIES THE HAIR 2/3 size .. 25/- per doz.

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SHADEINE FOR TINTING GREY HAIR

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1/4 size, per doz. .. 12/-
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DOCTOR'S ADHESIVE PLASTERS with Zinc oxide THAT DO STICK!

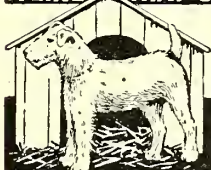
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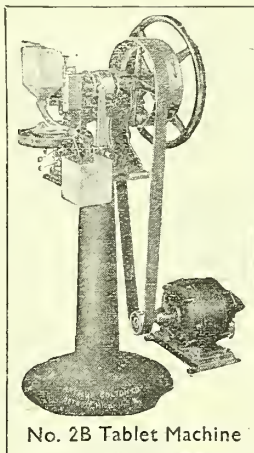
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Price: with one detachable nozzle
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Extra Nozzles 1/6 each.

Heavy Charcoal Tinplate - 32/6

Tinned Copper - - - 42/6

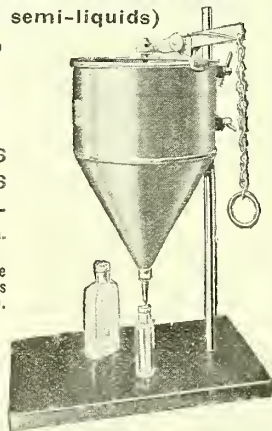
Stainless Steel - - - 46/-

Nett: Carriage Paid: F.O.B. 5% extra.

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13/6, Tinned Copper 25/-, Stainless
Steel 28/6, post free (foreign 3/6 extra).

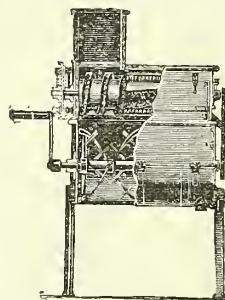
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perfect blending



Gardner's "Rapid" Sifter and Mixer gives a perfect blend. The special Internal Agitator ensures accurate sifting and mixing of materials, irrespective of the diversity of their proportions; if necessary, 3oz. can be perfectly blended with hundredweights.

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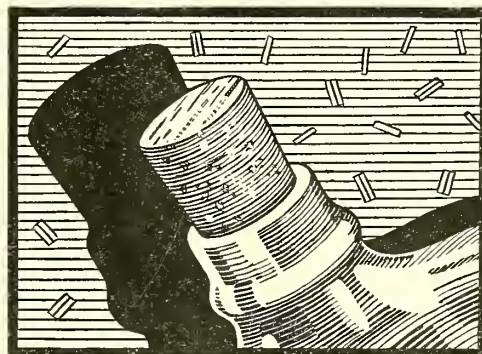
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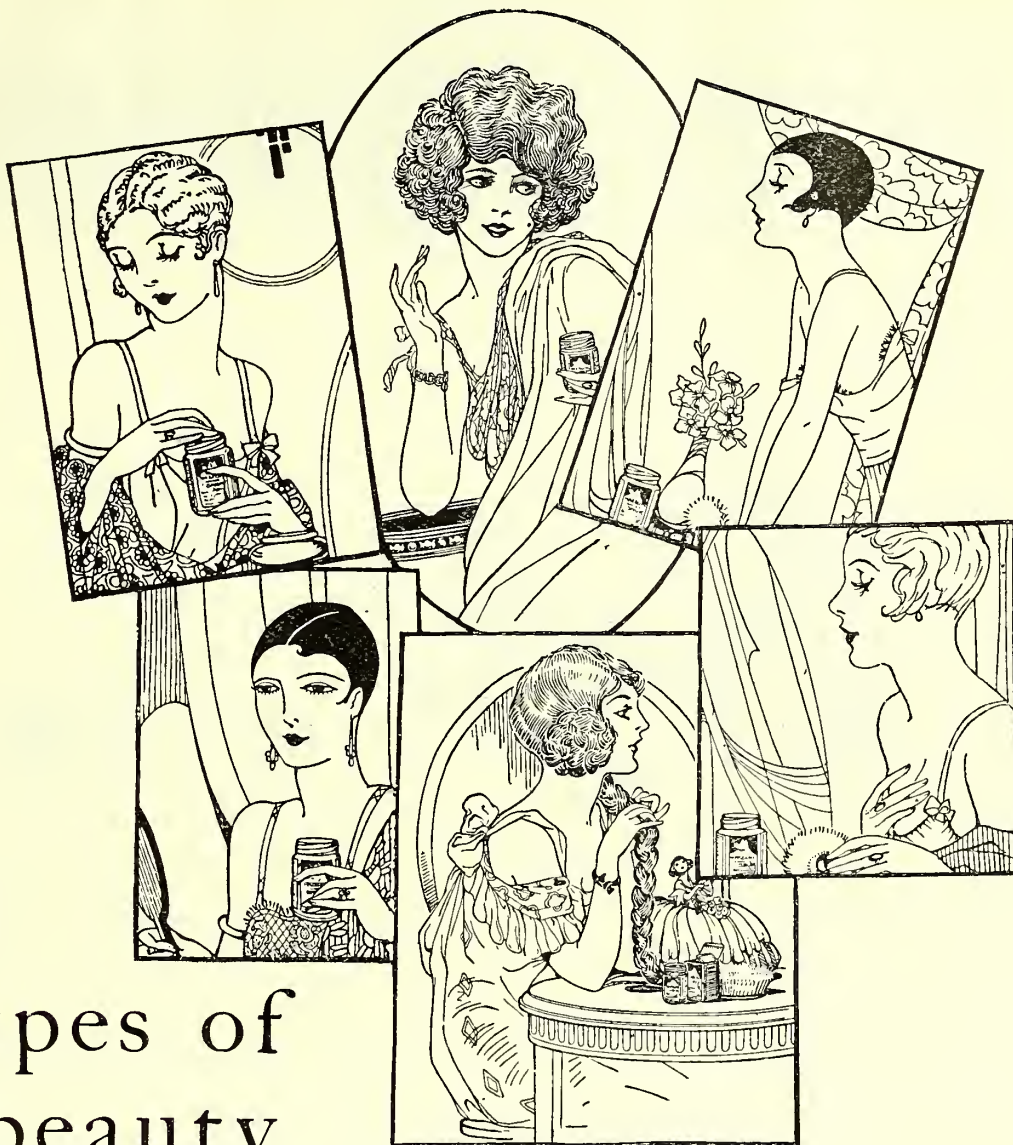
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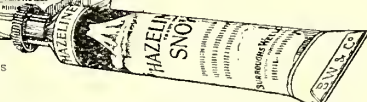


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The second International Congress of the History of Science and Technology was opened in London, on June 29, by the President of the Board of Education (Mr. Lees-Smith). The programme was given in our issue of June 6 (p. 649). Dr. Charles Singer, in his presidential address, discussed the possible effects of the Congress in advancing scientific ends, and especially the teaching of history, at present too little occupied with the affairs of the mind. The rise of science was the most important event in human history since the fall of the Roman Empire. In the evening the president of the Congress and Mrs. Singer gave a reception at the Royal Society of Medicine, where Mr. G. H. Gabb displayed his unique collection of relics relating to Joseph Priestley. Professor Andrade, wearing eighteenth-century dress, gave a lecture, repeating some of the experiments of Francis Hauksbee. The sessions of June 30 were devoted to the topics of "The Sciences as an Integral Part of General Historical Study" and "The Teaching of the History of Science." Professor A. V. Hill remarked that he was often told that scientists were illiterate. This was perfectly true, but he resented being told so by humanistic teachers who were equally

illiterate, being ignorant of science. History should be presented in a different way. Dr. E. J. Holmyard (Clifton College) complained that the history of science occupied only fifty pages in the twelve large volumes of the "Cambridge Modern History." The sessions of the Conference were being continued as we went to press.

Inquests

At Erith, on June 30, the coroner concluded an inquest on the bodies of Mrs. and Miss Lewis, wife and adopted daughter respectively of a man who after murdering them committed suicide. Mr. Ernest W. Tapley, chemist and druggist, Belvedere, said he sold Mr. Lewis 2½ oz. of potassium cyanide and a tin of weed-killer on April 14. The purchaser signed the book as C. F. Lewis, saying he wanted the poison to use as an insecticide. Mr. Lewis appeared to be quite normal. Dr. G. R. Lynch, of the Home Office, stated that death in each case was due to poisoning by potassium cyanide; a verdict was returned correspondingly.

An inquest was held by the South London coroner, on June 22, on the body of John Bushnell, an inmate of a public institution, who committed suicide while of unsound mind by taking spirit of salt and wounding himself. The coroner said every reasonable person would agree that it was undesirable for an unlabelled bottle containing poison to be handed over to such a person as the inmate who used it for cleaning. "It should never be served up in such a casual manner," he added. "Although it has been the practice for sixteen years, it is most undesirable. It is very astonishing that some disaster has not happened before. It must be brought to the notice of the proper committee of the London County Council."

Manchester

In preparing the inscription for the photograph of the Manchester Royal Infirmary in our Special Issue of June 27, the attribution to Mr. Warwick Brookes was inadvertently omitted.

THE illustration shows a window display of Chubby shaving sticks (Piesse & Lubin, Ltd., incorporating



Bayley & Co., London) featured recently by a pharmacy in Manchester. The artistic design of this product, combined with its practical utility, appeals to male

customers. The bakelite cap may be used as a holder for hot water, while the soap is of the finest quality, pleasantly perfumed and lasting. The price is reasonable, and refills with aluminium screw-in base are available.

Sheffield

There has been a considerable drop in insurance dispensing for the last month.

Mr. W. E. Glossop, chemist and druggist, has written to the Press in favour of chemists having sole control of poisons.

Some difficulty is being experienced in securing suitable locums for summer holidays, and there is a lack of applicants for qualified permanent positions.

There will be no contest for the new Pharmaceutical Committee, Mr. C. P. Gilbert and Mr. Cecil Piper having taken the places of Messrs. Hindle and Knowles, who have left the city.

Mr. John Austen, Ph.C., recently had a long article in the local press on "Joseph Carr of Birley Edge," who had an apothecary's business in Hartshead, Sheffield up to the year 1703. Mr. Austen, accompanied by his wife and daughter, is attending the Rotary Conference in Vienna, and afterwards intends making a tour of the Continent.

Miscellaneous

WINDOW SMASH.—A window at the premises of Taylors Drug Co., Ltd., Chester-le-Street, was smashed by a runaway horse on June 23.

FIRE.—An outbreak of fire, believed to be due to a light being thrown down, occurred recently at the premises of Daniel Vahrman, Ltd., chemists, Brick Lane, Spitalfields, London, E. The damage was not extensive.

POISON-LICENCE APPLICATIONS. — Applications for licences under Section 2 of the Poisons and Pharmacy Act, 1908, have been made by the following to their respective local authorities:—Mr. H. J. Caney, Barnet; Mr. A. Teasdale, Bishop Auckland.

IN THE COURTS.—At Alford, Lincs, recently, Cyril Walter Paddison, Grimsby, was committed for trial on a charge of breaking into the premises of Mr. E. G. Cheetham, chemist and druggist, Mablethorpe, and stealing the sum of £18. Bail was allowed.—At Lambeth Police Court, recently, John Roper, proprietor of a drug store in Old Kent Road, S.E., was summoned for assaulting Miss Margaret Dick, an inspector of the Pharmaceutical Society, by snatching a parcel from her in his shop. The defence was that the parcel was never in Miss Dick's possession. The magistrate dismissed the summons on payment of £3 3s. costs.

Scottish Notes

Brevities

The following have passed the final examination for the Glasgow University degree of B.Sc. in Pharmacy:—Agnes M. Clark, G. C. H. McAdam, Ninian McNamara, R. Meldrum, W. R. Moffat.

A correspondent writes:—"The special issue of the C & D. is as usual a masterpiece of business, literature and art. From cover to cover it is packed with most useful information, which must appeal to every taste among its numerous readers in all parts of the world. One wonders how such a wealth of information can be compiled and yet never show a sameness in succeeding issues. We chemists can only reiterate our oft-expressed appreciation of the labour and care exhibited by the entire staff in the production of such an elegant example of their art."

Edinburgh

The summer competition of the Edinburgh Pharmacy Golf Club was played over the Craigmillar Park course, and resulted as follows:—(1) J. S. Wilson; (2) W. A. M. Hourston; (3) W. H. Chambers.

At a meeting on May 16, to which all insurance practitioners in the Edinburgh area were invited, it was unanimously agreed to form an association with the object of bringing insurance practitioners together when occasion arose.

Irish Notes

Brevities

The Senate of the Irish Free State read the Pharmacopœia Bill a second time, and took the Committee stage of the Veterinary Surgeons Bill, on June 24.

In the recent window-dressing competition in connection with the shopping week at Newtownards, co. Down, Mr. R. Morrow, Ph.C., Conway Square, was awarded the prize in the chemists' section.

Mr. Fred Storey (president of the Chemists' and Druggists' Society of Ireland) has been elected chairman of the Advertising Committee of the Ulster Tourist Development Association. He also represented the Association at the council meeting of the Association of Technical Committees in Enniskillen.

Belfast

At the summer graduation, Queen's University, Belfast, Mr. John Chalmers Hogg, second son of Mr. Samuel Hogg, Ph.C., secured the B.A. degree in history and economics.

In the Ulster King's Bench, Belfast, on June 26, before the Lord Chief Justice, in the matter of an action by the Colgate-Palmolive-Peet, Ltd., London, against the Central Pharmacy (Derry), Ltd., to recover the sum of £5 16s. for goods sold, Mr. Nicholson, for

the plaintiffs, moved for liberty to discontinue the action. The Lord Chief Justice asked why proceedings were brought in the High Court for such a small sum. Mr. Nicholson said that the plaintiffs resided out of the jurisdiction, and it was thought the amount could be recovered more quickly. The County Court judge could only give up to £5 and costs. The defendants had paid into court £1 16s., and disputed the £4 on the ground that the goods had not been delivered. If that defence had been disclosed earlier the plaintiffs would have been saved costs. His lordship said he would not trouble Mr. Long, who appeared for the defendants. He would give leave to discontinue the action on the ordinary terms. Mr. Long: That will include my costs of this motion? The Lord Chief Justice: Certainly.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, July 5

Pharmaceutical Society of Great Britain, Manchester, Salford and District Branch (Junior Section). Annual picnic to Lake Windermere. Fare 5s. return or 10s. 6d. with two meals. Train leaves Manchester (Victoria) 11.30 a.m. Tickets from Mr. R. B. Maskell, 240 Moor Lane, Kersal.

Friday, July 10

Edinburgh Chemists' Assistants' and Apprentices' Association. Visit to Pharma Farm (Duncan, Flockhart & Co.). Meet at Methven's Nurseries, Inverleith Row, at 7.30 p.m.

Topical Reflections

By Xrayser

Your Special Issue

seems to strike a somewhat different note from that to which we have been accustomed during recent years; but it remains the most wonderful production in the shape of a weekly trade paper, and its contents promise to interest and instruct us for quite a considerable period. Manchester is made more familiar to us as an industrial centre by your beautifully illustrated descriptions of premises where industries of concern to pharmacy are carried on, and the city itself is shown to be highly developed as a centre of learning and literature, in addition to being prominent commercially and in municipal development. In fact, you have provided in this issue as complete an all-round guide to Manchester for pharmacists who propose to attend the approaching Conference as anyone could desire. But you also take us abroad to study modernist design in pharmaceutical architecture, you distract our attention with things ancient and modern in medicine, until it is difficult to decide which feature has been dealt with most faithfully, and an intensely practical note is struck by the inclusion of Mr. Herbert Skinner's observations on tablet medication. This is the sort of contribution that appeals to me most forcibly, because it not only presents useful formulas, but also gives sound reasons for proceeding in particular ways, and is permeated by an undercurrent of what may best be described as common sense.

Mr. Richard Bremridge

was an old acquaintance of mine, and your announcement of his death (*C. & D.*, June 27, p. 773) carries my mind a long way back. His father's signature appears upon the notice advising me that I had duly passed the Pharmaceutical Society's preliminary examination, but it was the son who was secretary when I went up to London for the Minor, and he was then quite fresh at the job. Later, I saw a good deal

of Richard Bremridge. He was a born official, and fitted his position well for a long series of years. In the course of time he came to detest all novelty in procedure. Centralisation of control was to him the only right course, and he never took kindly to improvement of local organisation in pharmacy, as initiated by President Newsholme and subsequently carried on by Mr. Neathercoat.

Salesmanship

is a subject about which so much nonsense is talked and written nowadays, that it comes as a refreshing breeze to read the letter of "Aperto" in your Special Issue (p. 803). Someone—was it Mr. Herbert Skinner when president of the Pharmaceutical Society?—brought over from America and familiarised the word "bunk." Well, that word exactly fits much, if not most, of the matter published in the guise of instruction in salesmanship, on both sides of the Atlantic. Those slogans which "Aperto" mildly characterises as "apt to be very misleading to younger salesmen" represent bunk of the highest type, and I should doubt if any exponent of methods of salesmanship involving the use of such slogans has ever sought or found an opportunity of putting in practice what he teaches. I have often wondered what experience behind the counter has been gained by writers of articles and books on salesmanship, and I am perhaps unreasonably suspicious of the ability as salesmen of persons who seem to make their living exclusively by the writing of articles and books on salesmanship. We have all read the advertisements of those who would teach us how to fit ourselves for better positions, or solve crossword puzzles, or do other things that must, if successfully achieved, greatly increase our income-tax returns and payments. But there must always have been the question in our minds why the advertiser did not do as he taught others to do and make the extra profits he seemed so anxious to secure for those who were willing to pay him quite modest fees.

Legal Reports

Application for Injunction.—In the Chancery Division of the High Court, London, on June 30, Mr. Justice Bennett had before him a motion in the action of Prichard & Constance (Manufacturing), Ltd., against the Radio Soap Co. and Isabella Brandon, to restrain the defendants from using upon shampoo powders the word "Miami," or a floral device, or any other word so closely resembling the plaintiffs' registered trade marks as to be calculated to deceive. Mr. Trevor Watson, K.C., for the plaintiffs, said the action was for infringement of trade mark and passing off. The defendants were a company whose sole proprietor was Isabella Brandon. The plaintiffs were the registered proprietors of five trade marks, one of which was "Amami," another a garland of flowers, a third the word "Ahmarme," and a fourth the word "Nayami." The allegations are that defendants had infringed the trade marks by selling shampoo powder bearing the word "Miami" and the garland of flowers. There had been police court proceedings against a vendor of this article under the Merchandise Marks Acts, and the result was a conviction. Counsel read affidavit evidence in support of the motion. Mr. L. Jacob, for the defence, read an affidavit of the husband of Mrs. Brandon, who stated that his wife was ill. An affidavit added that there had never been any attempt to pass off her shampoos as the plaintiffs' shampoos, and that the get up and appearance of the two packets was wholly dissimilar. Replying to the judge, Mr. Jacob said he was willing to keep an account. His lordship said he would give facilities for a speedy trial, and there would be no order on the motion, except that costs would be costs in the action.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

SHANDON PHARMACY, LTD. (P.C.).—Registered in Dublin. Capital £300. Objects: To carry on the business of chemists, druggists, etc.

BARE PHARMACY, LTD. (P.C.).—Capital £500. Objects: To carry on the business of chemists and druggists, etc. R.O.: The Post Office, Bare, Morecambe and Heysham.

MEALOL CO., LTD. (P.C.).—Capital £500. Objects: To market a preparation known as Mealol, medical, pharmaceutical and other preparations, etc. R.O.: 133 Moorgate, E.C.2.

BROWNS CASH CHEMISTS, LTD. (P.C.).—Capital £600. Objects: To acquire the business of a chemist and druggist now carried on at 197 Shirland Road, Maida Hill, as "Browns Cash Drug Stores." R.O.: 101 Malvern Road, Kilburn, N.W.

DR. MAGNUS HIRSCHFELD, LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of manufacturers and dealers in proprietary articles, medical and toilet preparations, etc. Solicitors: Buckeridge & Braune, 3-4 Clement's Inn, W.C.

MELLIN'S FOOD, LTD.—Net profit to March 31, £4,960 (against £5,099), plus £12,226 brought forward. Directors do not recommend dividend on Ordinary or Preference. (Preference dividend was paid last year, but nothing on Ordinary).

KURO, LTD.—Debenture dated June 22, 1931, to secure all moneys due or to become due not exceeding £2,000 for which the chargee may become liable under a guarantee to company's bankers, charged on the company's undertaking and property, present and future, including uncalled capital (subject to mortgage dated April 16, 1928).

SANGERS, LTD.—The annual report shows a trading profit of £74,874 to March 31 last, a reduction of £1,518 on the previous year's figure. The directors have applied £5,000 to writing down goodwill. (Last year £614, together with £15,385 from share premium account, was so applied.) It is proposed to maintain the ordinary dividend at 17½ per cent. carrying forward £34,758, compared with £30,872.

AMALGAMATED DENTAL CO., LTD.—Report shows net profits for 1930 at £208,420, £4,229 below the corresponding balance of 1929. Taxation requires £47,671 (against £43,868), and, with the £12,466 brought in, the total available is £173,215, compared with £180,503. Dividend on the £400,000 of deferred capital is maintained at 3d. per 5s. share, free of tax, equivalent to 6.4516 per cent. gross. Reserve receives £15,000, or £5,000 less than last year, raising that account to £251,761. After providing for preference and preferred ordinary dividends, there remains a balance to carry forward of £11,302, as against £12,466.

HODDERS, LTD.—Net profits for 1930 were £10,395 (against £16,385), plus £872 (£987) brought in. Preference dividends absorb £8,717; forward, £2,550; ordinary dividend nil (against 7½ per cent.). Half-year's dividend on 8 per cent. preference shares will be paid July 1. It was intended to present annual report in March as usual, but as negotiations for sale of assets in Heppells—in which this company has an important interest—were then in progress some delay was considered desirable. Directors wished to acquaint shareholders with result of these negotiations, but which are still uncompleted. Interest in Heppells is set out in balance-sheet—namely, investment in, £1,616, and advances to, £39,757.

DISTILLERS CO. LTD.—Report recommends a final dividend of 2s. 6d. per share, less tax. This makes, with the interim payment, a total of 20 per cent. for the seventh successive year. It is proposed to place £250,000 to reserve for equilisation of dividends and £250,000 to general reserve. The balance to be carried forward is £283,151, which compares with £269,635 a year ago, when £500,000 was transferred to general reserve. The final distribution is payable on August 1. The total issued capital at the date of the last balance-sheet was £12,890,962, of which £2,200,000 was in 6 per cent. preference and £10,690,962 in ordinary shares. In September last it was announced that an arrangement had been concluded with United Molasses for an exchange of shares.

BOOTS PURE DRUG MEETING.—At the annual general meeting of the company on June 25 at Nottingham the shareholders paid a silent tribute to the late Lord Trent. After commenting on the balance sheet, the chairman said: "The increase in the number of customers was nearly 7,000,000, and our turnover was much the largest the company has ever had. From these facts, together with the figures which I have just read to you, there is only one conclusion to be drawn, that is, in spite of all the difficulties, the year's results are satisfactory. In order to get these results, every process in our laboratories, warehouses or offices is under constant revision with a view to efficiency and economy. It is our policy to investigate the value of medicinal discoveries introduced in other countries. Published information showed us that the concentrated serum for the treatment of pneumonia, introduced by Felton, was saving many lives. After investigation we arranged to place our distributing facilities at the disposal of the Lederle Company for supplying this remedy throughout the country. Our Research Department has been keeping abreast of the trend of modern scientific opinion, particularly on the medical side. A prominent feature in recent medical literature, both in this country and elsewhere, has been the question of antiseptics, especially for use in midwifery, and of methods of evaluating them in the laboratory. Our Bacteriological department has consequently made many tests upon the new and previously known antiseptics by a number of different methods, and in this way accumulated a sound basis of knowledge on which to build in future."

Bankruptcy Reports

Albert Henry Smith, South Benfleet, Essex (late of 41 Rectory Grove, Leigh-on-Sea), wholesale perfumier. First meeting of creditors was held on June 10, at 29 Russell Square, London, W.C., when the statement of affairs showed gross liabilities of £634 13s. 5d., of which £588 18s. 4d. was expected to rank for dividend. The assets amounted to £47 7s. 9d., and after allowing £6 15s. 1d. for preferential claims, the net assets were £40 12s. 8d., or a deficiency of £548 5s. 8d. The case was left in the hands of the Official Receiver as trustee. The following are creditors:—The Angora Perfumery Co., Ltd., £21; H. C. Astill, £11; E. G. Austin, £29; Colgate Palmolive Peet, Ltd., £51; S. H. Edwards, £23; Eugène, Ltd., £34; L. Frankenberg, £12; D. and W. Gibbs, Ltd., £12; Icilma Co., Ltd., £11; John Knight, Ltd., £15; Nagele's, £47; Osborne Garrett & Co., Ltd., £15; Pritchard & Constance (Manufacturing), Ltd., £26; Scalpo, Ltd., £31; Robertshaw & Co., Ltd., £16; Mrs. J. L. Smith, £70; G. M. Suter & Son, Ltd., £30; Yardley & Co., Ltd., £24; Kirby Beard & Co., Ltd., £10; Tibo Products (International), Ltd., £10; John French, £18.

Private Arrangements

R. J. Davis, chemist and druggist, Upper Parliament Street, Liverpool.—At the meeting of the creditors, held on June 17, the statement of affairs showed liabilities £1,873, of which £313 was due to the trade; £1,479 was in respect of loans and £81 represented loan interest. The assets totalled £910. After allowing £114 17s. 4d. for preferential claims, the net assets were £795, or a deficiency of £1,077. During a period of 19½ months debtor's turnover had been £2,027, gross profit of £284, and there was a net loss of rather more than £300. It was suggested that the debtor should continue the business, and set aside weekly or monthly amounts for distribution to the creditors. A resolution was passed in favour of a deed of assignment being executed to Mr. J. A. Williams, accountant, Liverpool, with a committee consisting of representatives of the Association of Manufacturing Chemists, R. Sumner & Co., Ltd., and Ayrton, Saunders & Co., Ltd. It was suggested that the loan creditors should be asked to withdraw their claims until a dividend of at least 10s. in the £ had been paid and that efforts should be made to sell the business as a going concern. The following are creditors:—R. Sumner & Co., Ltd., £42; Ayrton, Saunders & Co., Ltd., £22; Clay & Abraham, Ltd., £22; Evan Sons Lescher & Webb, Ltd., £22; J. H. & S. Johnson, £16; John Thompson (Wholesale Druggists, 1921), Ltd., £26; Colgate-Palmolive-Peet, Ltd., £19.

Business Changes

MR. R. C. HANNANT, chemist and druggist, has acquired the business of Mr. K. J. Rumbold, chemist and druggist, 54 Springfield Road, Gorleston-on-Sea, Great Yarmouth.

EVANS, GRAY & HOOD, LTD., 13 Fish Street Hill, Eastcheap, London, E.C.3, announce that Mr. F. Seear (for many years associated with them as sales manager) and Mr. A. T. Braybrooke (manager of their gelatin department) has been elected to the board of directors.

Gazette

Bankruptcy Acts

ADJUDICATION

BROWNLOW, R., Manor Lodge King's Langley, Hertfordshire, lately carrying on business at 356-360 Gray's Inn Road, London, "chemist."

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 30, 1930	May 31, 1931	June 30, 1931
	s. d.	s. d.	s. d.
Allen & Hanburys 7% Prefd. Ord.	21 6	21 6	21 6
Amalg. Dental Co., 8% Prefd. Ord.	19 0	17 9	19 3
Deferred 5s. ..	3 3	3 0	3 6
Apollinaris and Johannis, Ord. £1 ..	6 0	4 0	4 3
Ayrton, Saunders & Co., 7½% Pref.	14 6	13 6	13 6
Beechams Pills, Deferred 1s. shares	2 6	1 6	1 7½
Benger's Food, Ord. ..	30 6	30 6	29 6
Boake (A.), Roberts & Co., 5% Pref.	16 3	16 3	16 3
Boots Pure Drug Ord. ..	111 3	108 9	116 3
Boots Pure Drug, 7% "A" Prefd. Ord.	23 6	24 0	24 0
Boots Cash Chemists (S.), 6% "A" Pref.	21 6	22 0	22 0
Borax Consol., Dfd. Ord. ..	10 0	10 6	11 0
Bovril, 6% Pref. ..	23 0	22 6	22 9
" Ord. ..	25 0	23 3	23 6
" Dfd. ..	37 3	32 0	36 3
British Cyanides, Ord., 2s. shares ..	1 9	0 9	0 10½
British Drug Houses, The, Ord. ..	17 0	15 0	14 9
British Oil and Cake Mills, Ord. ..	27 6	27 6	28 9
British Oxygen, Ord. ..	24 0	13 0	15 0
British Photo. Indus., 6% Cum. Pref.	15 6	13 3	13 0
Bush (W. J.) & Co., 5% Pref. £5 ..	63 0	57 6	60 0
Cadbury Bros., 6% Pref. ..	23 3	24 0	23 9
Callard, Stewart & Watt, Ord. ..	27 6	25 0	21 3
Crosfield (Joseph) & Sons, 6½% Pref.	21 6	22 0	22 0
Drug Incorporated (no par value) ..	\$62	\$71	\$73
Dubarry Perfumery, Ord. 1s. ..	6 0	5 0	5 0
" 7½% Pref. ..	20 0	19 6	19 9
Eastman Kodak Com. (no nom. value)	\$149	\$134	\$156
Evans Sons Lescher & Webb, Ord.			
6s. 8d. shares	3 6	2 9	2 9
" 6% cum. part. Pref.	4 9	4 0	3 6
Field (J. C. & J.), Ord. ..	11 3	12 0	12 6
Galloway (P. H.), Ord. 2s. ..	2 9	2 6	2 6
" 7½% Cum. Pref. ..	21 0	20 0	19 3
Gossage (William), 6½% Pref. ..	21 3	21 9	21 3
Grout & Co., Ord. ..	15 0	13 9	12 6
Heppells, 7% cum. part. Pref. ..	3 0	—	—
Hodders, Ord. 1s. ..	0 6	0 3	0 3
Ildris & Co., "A" Ord. ..	20 9	19 3	20 0
Ilford, Ltd., Ord. ..	46 3	30 0	27 6
" 6% Pref. ..	20 6	21 3	21 3
Imperial Chemical, 7% Pref. ..	21 9	19 9	20 9
" Ord. ..	18 0	12 9	15 3
" Dfd. 10s. ..	5 0	3 1½	4 3
Intern. Sponge Importers 6% Pref.	10 0	9 6	8 9
Kent (G. B.) & Sons, 5½% Pref. ..	10 6	7 0	7 0
Knight (John), 25% Prefd. Ord. ..	67 6	68 9	67 6
Laporte (B.) & Co., Ltd., Ord. ..	19 0	18 9	18 0
Lever Bros., Ltd., 7% Pref. ..	22 9	23 9	23 3
" 8% Pref. ..	22 9	23 0	22 7½
" 20% Prefd. Ord. 5s ..	12 0	12 6	12 0
Lewis & Burrows, Ord. ..	28 9	27 6	27 6
" 6% Pref. ..	17 6	17 6	17 6
Liebig's Ext. of Meat, Ord. £5 ..	£14½	£8½	£10½
Mellin's Food, 6% Pref. ..	2 6	2 6	2 0
Nathan (Joseph) & Co., 7% Pref. ..	17 0	16 3	15 0
" 8% Prefd. Ord. ..	8 0	6 6	6 0
National Drug and Chemical Co. of Canada, 6½% Pref. ..	2 0	2 3	2 3
New Transvaal Chemical Co., 6% Pref.	20 0	20 6	20 3
" 8% Pref. ..	22 9	23 3	22 6
Phosferine (Ashton & Parsons) 8% cum. part. Ord. ..	11 3	7 6	10 0
Salt Union, Ord. ..	31 3	20 0	23 9
" Pref. ..	32 6	26 9	27 6
Sangers, Ord. 5s. ..	8 3	7 3	7 9
"Sanitas," The, Co., 9% Pref. ..	25 0	23 0	23 9
Sanitas Trust, 10% part. Pref. ..	22 6	20 6	23 0
Schweppes, Ltd., Ord. ..	31 6	23 9	23 9
" Dfd. ..	32 6	22 6	22 6
Smith (Stephen) & Co. Ord. 5s. ..	6 0	4 9	4 9
Solidol Chem. Co., Ord. 1s. ..	0 2	0 1½	0 1
Southern Bros. & Barclay, Ord. ..	103 6	110 0	107 6
" 5% Pref. ..	19 3	20 0	20 0
Spratt's Patent, Ord. ..	48 0	48 0	50 0
Stevenson & Howell, 6½% Cum. Pref.	17 6	16 9	16 9
Taylor's Cash Chemists (Lon.) 1s. Dfd.	1 6	0 7½	0 10½
Taylor's (Cash Chemists) Trust, 7½% Cum. Pref. Ord. ..	18 9	12 6	11 0
" 1s. Dfd. ..	1 10½	1 0	0 6
United Glass Bottle Man., 6% Mt.			
Deb. Stk., £100 ..	£103	£104½	£102½
Veno Drug Co., 8% Pref. ..	15 0	9 9	10 6
Virol, Ltd., Ord. ..	65 0	60 0	40 0
" 7% Pref. ..	21 3	20 9	21 3
White (A. J.), Ltd., Ord. 10s. ..	12 6	11 9	11 9
White (Timothy), 7½% Prefd. Ord. ..	21 0	19 0	18 0
" 1s. Dfd. Ord. ..	1 10½	1 0	1 4½
Wright Layman & Umney, 6% Pref.	20 7½	20 6	20 0

Pharmaceutical Society of Great Britain

Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on July 1, Mr. A. R. Melhuish (president) in the chair. The absent members numbered five.

The PRESIDENT announced that letters of apology for absence had been received from Mrs. Freke, Messrs. Rowsell, Simmons, and Peck.

TUESDAY'S PROCEEDINGS

The following matters were included among the business dealt with by the Council at their meeting on June 30:—

The president, vice-president and Mr. Marns were appointed the Council's representatives upon the committee to make the award of the Harrison lectureship medal for the year 1931.

The report of the Law Committee stated that the case against "L. 38/3196" for offences under the Merchandise Marks Act in respect of the sale of a preparation labelled "Paregoric Elixir" was heard at the Leeds City Police Court on June 29. The defendant was summoned on three charges, to all of which he pleaded "guilty." A fine of £3 on each charge was imposed, with £5 costs.

The same report stated that in England and Wales, since the last report, 725 shops have been visited; of these, 515 were chemists' shops. In seven chemists' shops no certificate was exhibited. The remaining 210 shops were carried on by unqualified persons. At fifteen of these certain infringements of the Pharmacy Acts were reported. In Scotland, since the last report, ninety-seven shops have been visited. These included ninety-four chemists' shops, one doctor's shop, and two other shops. In all the chemists' shops certificates were exhibited. In the doctor's shop a membership certificate of the Society was exhibited.

DEATHS

On the resumption of the proceedings on July 1, the PRESIDENT made reference to the deaths of Lord Trent and Mr. Richard Bremridge, both of whom, he said, were intimately connected with pharmacy. Both had attained a ripe old age, and were eminent in their own spheres, widely apart though these had been; and pharmacists generally, as well as members of the Council, would regret their passing. Mr. Bremridge was ninety years of age, and those who remembered him—and most of the Council would be among the number—would agree that he was a man of a simple, straightforward nature, who made no enemies, but made friends wherever he went. He had left his mark on pharmacy by the way in which he tackled all business connected with the Society and with pharmacy. It was in keeping with his retiring disposition that he specially asked that no intimation of his passing should be given to pharmacy, or, indeed, anyone outside his immediate family circle until the interment.

Lord Trent was better known to the Society, in the first instance, as Jesse Boot, and later as Sir Jesse Boot, and was an outstanding personality; and he (the President) felt that the Council would not receive the news of his passing without an expression of regret, and a tribute to his memory. Lord Trent was a man of great ability. He sprang from the people, and was intensely devoted to duty which he carried out under very arduous conditions, for it was well known that for very many years he suffered from very serious disability. Yet his devotion to work was such that he was working almost to the last day of his life. Lord Trent had been tremendously interested in education, and particularly in the Nottingham University College, where he had given every encouragement by the endowment of pharmaceutical activities.

The Council, having paid a silent standing tribute to Lord Trent and Mr. Bremridge, decided to send a letter of sympathy and condolence to the relatives in both cases.

ELECTIONS AND RESTORATIONS

Ten persons were elected as members of the Society and eight persons as student associates. A number of persons were restored to the Society, but none to the Register. The registrar reported that fifty-three persons had been registered as apprentices or students.

HERBARIUM COMPETITION

Mr. T. E. Wallis, curator of the Society's museum, was appointed as examiner to conduct the herbarium competition.

CORRESPONDENCE

A letter was read from the Pharmacopœia Commission, forwarding reports on the preparation of sterile solutions, and on digitalis and strophanthus, and stating that the commission would be pleased to receive comments and criticisms.

A letter of invitation was read from the president of the eleventh Congress of Chemical Industry of France, to begin in Paris on September 27, in connection with the Colonial Exhibition. The Council decided not to accept the invitation.

HANBURY MEMORIAL MEDAL

The PRESIDENT announced that the Committee appointed under the Hanbury memorial trust deed had awarded the Hanbury memorial medal for 1931 to Professor Hermann Thoms, of Berlin. The Committee on this occasion were Professor G. G. Henderson, Professor G. W. Weiss, Mr. A. R. Melhuish, Mr. J. H. Franklin, and Professor H. G. Greenish. A letter of appreciation from Professor Thoms was read.

After the Council had approved the award, Mr. PARRY said he thought it should be pointed out that the selection was made by the Committee, and not by the Council.

EDUCATION COMMITTEE

The Education Committee reported that they had approved of the recognition of certain schools for instruction in specified subjects in connection with the Preliminary Scientific examination. The report was adopted.

BENEVOLENT FUND COMMITTEE

The report of this Committee showed that seventeen applications had been considered during the month, and grants made ranging from £3 to £30. Special contributions were acknowledged as follows:—National Association of Women Pharmacists, £5 5s.; Hull Chemists' Association and Local Branch, £5 5s.; Birmingham Trade Association, £2 2s.; Hull Branch, £5 5s.; South-East London Chemists' Association, £5 5s.; Birmingham Pharmaceutical Association, £5 5s.; Birmingham Pharmaceutical Association, 18s. 6d.; "Nosmas," £5; Aberdeen and North-Eastern Scottish Branch, £4 4s.; Preston Pharmacists' Association, £4; Warwickshire Branch, £3 5s. 3d.; North-East London District Pharmaceutical Association, £2 2s.; Middlesbrough and District Pharmacists' Association, £2 2s.; G. B. Harkness, £2; C. R. Stanyon, 13s. 8d.; Northampton Branch, £1 10s. *Supplementary Benevolent Fund*.—South-West London Chemists' Association and Branch, £5 5s. *Orphan Fund*.—A. B. Makepeace, £5.

MR. BEARDSLEY said the Committee were grateful for the contributions, and it was noteworthy that Hull had done exceptionally well. He hoped that other chemists would rally round, so that Mr. Schollar's challenge might be taken up. (Hear, hear.)

WAR AUXILIARY BENEVOLENT FUND

This Committee reported that they had received two applications during the month, and made grants of £6 6s. and £30 respectively. The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £7 10s. 7d., amounted to £17,666 12s. 9d., comprising the following items:—Subscriptions, £856 5s. 6d.; registration fees as apprentice or student, £111 6s.; restoration fees and certificates of qualification, £3 3s.; examination fees, £14,932 1s.; School of Pharmacy, £37 3s.; Pharmacological Laboratories, £128 12s. 6d.; penalties, £78 0s. 9d.; interest, on investments, £30 19s. 2d.; "Pharmaceutical Journal," advertisements, etc., £1,189 8s. 10d.; Quarterly Journal, £48 11s. 6d.; "Pharmaceutical Pocket Book," £5 19s. 9d.; registers, £18 0s. 3d.; examination papers, £7 0s. 11d.; Pharmaceutical Press publications, £6 15s. 8d.; B.P. Codex, £124 10s. 8d.; "Forensic Pharmacy," £2 17s. 9d.; F.S.S.U., £70 12s. 1d.; sundries, £7 13s. 10d. Payments ordered at the last meeting amounted to £5,043 15s. 8d., and £12,600 had been transferred to deposit account, leaving a balance of £22 17s. 1d. The balances on the other accounts were:—Benevolent Fund (current account), £9 13s. 3d.; Benevolent Fund (donation account), £35 2s. 6d.; War Auxiliary Benevolent Fund, £9 13s. 10d.; Orphan Fund, £94 11s. 7d. The report recommended that accounts amounting to £10,130 14s. 7d. be paid, and that the action of the secretary in making payments amounting to £1,063 be approved.

MR. KEALL (treasurer) said that as far as the first six months of the year were concerned he was satisfied that due regard was being paid in every direction to the need for keeping down expenses to the lowest possible level consistent with efficiency. Although the position had improved slightly from the point of view of the Society, however, he felt that they had still a long way to go on the road to wise and economical administration. There had already been an increase of eighty in the membership and an increase in the registrations, which were an improvement on the preceding month, as well as an increase in examination fees. These were signs that showed the portents were on the right side, but he did not want to create a spirit of unwise optimism. The practice of economy, which was now being rigorously applied, would be carried on systematically during the coming six months, and the results could not be other than advantageous to the Society. The report was adopted.

CONGRESS OF MILITARY MEDICINE

A letter was read from Mr. Peck, enclosing a report of his recent visit, as a delegate to the Sixth International Congress of Military Medicine and Pharmacy held at the Hague from June 15 to June 20 (C. & D., June 27, p. 735). The report stated that on the evening of June 15 the Dutch Government entertained all the official foreign delegates to dinner at the Kurhaus, Scheveningen, and the Prince of Holland was present. The business of the Congress began on June 16 with the discussion of "The recruitment and training of military doctors and pharmacists." On June 17 the subject for discussion was "The psychoneuroses of war and the effects of war upon the nervous system." At the same time a meeting of the pharmacist officers was held to discuss the question of "The preparation and preservation of ampoules containing drugs used in the health services." On June 20 there was the final session of the Congress. It was decided

that the next meeting should be held at Madrid in 1933, and it was decided to retain the word "Pharmacy" in the title. There were between 600 and 700 present at the Congress from about thirty different countries.

This was all the public business.

North British Executive

A meeting of the Executive of the North British Branch was held at 36 York Place, Edinburgh, on June 17, Mr. Charles Simpson in the chair. Reports were made as to the present position regarding the Pharmacy and Poisons Bill and the Proprietary Medicines Bill. It was reported that Mr. H. M. Robin, having completed ten years' service, had resigned his position as divisional secretary for Central Edinburgh, and it was agreed to nominate Mr. Eric Knott for appointment by the Council in room of Mr. Robin. In a discussion on the Benevolent Fund, it was suggested that the sending out of a coloured leaflet, explaining the work of the Fund, along with the annual reminder for payment of the membership subscription, should be continued.

A meeting of the Executive was held on June 24, Mr. Charles Simpson in the chair.

Appreciative reference was made to the death of Mr. Richard Bremridge, who for forty-five years had been an officer of the Society.

Mr. John Brough McVitie (Glasgow) and Mr. David Harley (Musselburgh) were elected chairman and vice-chairman respectively.

It was reported that notice had been received that at the delegate meeting at Manchester on July 21, Mr. F. Gladstone Hines (vice-president) would open a discussion on *A Critical Review of the Society's Education Policy*, and that the delegate meeting on July 22 was reserved for discussion on the Pharmacy and Poisons Bill. In view of the uncertainty of the present position of the Bill and of the possibility involved, it was urged that if at all possible every Branch should be represented at the meeting, even if the branches were unable to send delegates who could remain for the whole length of the Conference.

Branch Meetings

Edinburgh.—A meeting of the Edinburgh and South-Eastern Scottish Branch of the Pharmaceutical Society was held recently, Mr. Peter Nisbet in the chair. The secretary and treasurer submitted the annual report and financial statement, indicating a successful session and a balance in hand. The following officers were elected for 1931-32:—*Chairman*, Mr. Peter Nisbet (Leith); *Vice-Chairman*, Mr. John Gilmour (Dunfermline); *Secretary and Treasurer*, Mr. Arthur Cairns (Edinburgh); *Committee*, Miss Margaret G. Boag, Miss Huldah H. P. Carus, Messrs. J. V. Findlay, T. Girdwood, David Harley, James S. B. Heddle, James Henry, John Meredith, Thomas C. Miller, William S. Mitchell, Gordon Perrins and Thomas Wilson. Mr. Rutherford Hill explained the present position in regard to the Pharmacy and Poisons Bill, and expressed the thanks of the Society for the very active steps taken by the officials of the Branch and also by divisional secretaries as well as individual members of the Society. There seemed no prospect of the Bill becoming law unless the Government made some move to meet the very reasonable demands of the Council of the Society in regard to the dispensing of medical prescriptions and the restriction and better control of the distribution of Part II poisons. On the motion of the chairman, a cordial vote of thanks was awarded to Mr. Rutherford Hill.

Manchester.—At a meeting of the Manchester, Salford and District Branch of the Pharmaceutical Society held recently, the following officers were re-elected for the ensuing year:—*Chairman*, Mr. E. H. Simmons; *Vice-Chairman*, Mr. R. G. Edwards; *Treasurer*, Mr. W. I. Scholes; *Secretary*, Mr. T. Miller.

Sporting Events

THE annual golf competition of the Manchester and District Pharmaceutical Golfing Society for the Griffiths Hughes' prize took place at Fairfield golf course on June 24, in delightful weather. About a score of players took out cards, and after a good afternoon's play Mr. S. Bostock and Mr. A. Barnes tied for the prize, each with the score of 4 down; on replay Mr. S. Bostock won. The following returned scores of 6 down:—Mr. J. A. Collins, Mr. J. Gardner, Mr. F. Gee.



(Photo) [Cleworth
MANCHESTER PHARMACISTS' GOLFING SOCIETY AT BUXTON: MR. J. BOSTOCK (WINNER) SEATED, SECOND FROM RIGHT; MR. W. GRIFFITHS HUGHES SEATED, CENTRE.

Mr. P. W. Stuart, Mr. W. A. Sturdy. After tea Mr. J. H. Franklin (president) said they were pleased to see Mr. W. Griffiths Hughes in much better health, and they were grateful to him, not only for his charming hospitality and prize, but for coming to their gathering. Mr. Franklin proposed a hearty vote of thanks to Mr. Hughes. This was seconded by the captain (Mr. J. S. Breeze) and carried with acclamation. Mr. Hughes, in his reply, said he was always pleased to see his Manchester friends and colleagues, and he could assure them he was still more pleased if they enjoyed their visit to Buxton, to which he always looked forward.

THE tenth annual tournament of the London Pharmaceutical Associations for the Maw Challenge Shield was held on June 25 at Maw's Sports Ground, New Barnet. Nearly 700 guests accepted the invitation to enjoy the amenities of a delightfully situated sports ground, and the weather, which was doubtful at first, finished with brilliant sunshine and warmth. A large marquee and other tents sprinkled the main sports field, and the catering and evening entertainment brought enjoyment to the visitors and satisfaction to the organisers. The form of the competition this year followed the plan of 1930. The outstanding event was the downfall of the champions for six years, the Northern Brigade. Their keenness was as great as ever, but the Eastern proved themselves to be worthy conquerors. The games resulted as follows:—

Tennis, mixed doubles, Mr. and Mrs. Ben Jones (Western) beat Mr. and Mrs. Atkinson (Southern); Mrs. Swanston and Mr. Walker (Northern) beat Mrs. Pratt and Mr. Melton (Eastern); the final thus became Western v. Northern, and the former were beaten by 6—0, 10—8, 6—4, after a thrilling struggle.

Bowls, first round, Messrs. J. C. Berry, Riley, Wild and Wilkinson (Western) beat Messrs. W. B. Dow, Rawlins, Cushing and Wells (Northern); Messrs. Reed, Desmond, Potter and Main (Eastern) beat Messrs. Milner, Monaghan, Sparrow and Somerton (Southern); in the final Eastern beat Western.

Quits, Western failed to raise a team and Eastern went without a struggle into the final. The Northern team (Messrs. Felton, Pryce, Lowe and Swanston) collapsed before the Southern attack (Messrs. Jones, Wells, Rees and Brook). The final struggle saw the Eastern (Messrs. Wathen, Thomson, Wheatley and Evans) win.

Golf, the Eastern team won on the aggregate, beating

the Northern after a close contest and again annexed two points; Southern and Western flourished in the rough.

Croquet and Putting (ladies' section).—In the former the Western collapsed before reaching the sports field, and the Eastern had a walk-over. The Northern were beaten by the Southern, and the final was Eastern (Mrs. Gray and Mrs. Desmond), who proved to be too clever in trundling for the Southern (Mrs. Rees and Miss Wrench). Putting, the method employed was the same as in golf; six players represented each area, the lowest four to count. In the aggregate the figures were Northern 170, Eastern 174, Southern 179, Western 205, so the ladies gave the Northern two badly-needed points.

The final figures were:—Eastern 9 points, Northern 5 points, Southern and Western 2 points each. The Eastern become the holders of the Maw Challenge Shield for 1931. In the ladies' putting competition three had tied, and in the play off Mrs. Gray (Eastern) took first prize and Mrs. Deas (Northern) second. The special in golf was between Mr. C. A. MacDonald (North) and Mr. Daniels (East); the former won somewhat easily. Ladies' singles in tennis resulted in Mrs. Swanston beating Mrs. Lester 6—2, 6—3. Music, dancing, a concert and games in the evening, with musical arms, etc., provided plenty of fun. The shield and the prizes were presented by Mrs. Arthur Maw, while Mr. A. Maw expressed the pleasure of all at a most successful day. Mr. A. R. Melhuish (president of the Pharmaceutical Society) spoke a word of thanks for the guests, and Mr. Porter responded.

Summer Outings

Hewletts at Brighton

THE staff of C. J. Hewlett & Son, Ltd., held their annual outing at Brighton on June 27. The weather was exceptionally fine, and the morning was spent in boating, walks, etc. An excellent dinner was served at the Regent Restaurant, Mr. Vivian C. Hewlett, F.C.S., in the chair. After the loyal toast had been honoured, the toast of "The Firm" was proposed by Mr. E. D. Allman in a witty speech. Mr. Vivian C. Hewlett received telegrams of good wishes from the directors who were unable to be present. He emphasised the cordial relationship existing between the directors and the staff, and called attention to the difficult period through which the drug trade was passing. In the afternoon, a motor ride was arranged to Devil's Dyke, returning through the Ouse Valley. On the return, tea was served at the hotel, and a hearty vote of thanks was extended to the committee and the secretary, Mr. A. J. Upton.

John Bell, Hills & Lucas, Ltd., at Southend

THE staff of John Bell, Hills & Lucas, Ltd., visited Southend on June 13 for the annual summer outing. The morning was devoted to sports held in Southchurch Hall Park. The events, some strenuous and some humorous, were keenly contested. Dinner and tea were served at Garon's Center House, Mr. J. Stuart Hills (the managing director) presiding. Other members of the board present were Messrs. H. B. Stevens and L. N. Hensman. Telegrams of good wishes were received from Mr. Walter Hills (chairman of the company) and Mr. E. W. Lucas, C.B.E. (director). After tea, sports prizes were presented to the winning competitors by Mrs. L. N. Hensman. The Walter Hills shield, competed for annually, was won by the packed goods department. A thoroughly enjoyable day was spent, much of the success being due to the work of the outing committee (Messrs. T. Brooks, G. P. Denton, and F. A. Hartridge, under the chairmanship of Mr. H. B. Stevens), assisted by various stewards.

WATER ANALYSIS.—The tenth edition of Thresh & Beale's "A Simple Method of Water Analysis" has just been published (price 3s.) by J. & A. Churchill, 40 Gloucester Place, London, W.1.

British Pharmaceutical Conference

Sports Day

The following additional particulars of the arrangements for the Sports Day of the Conference (Friday, July 24) have been received:—

Tickets.—Competitors' tickets are issued at 10s. 6d. each. These tickets include lunch and tea and admittance to any competition. Non-competitors' tickets are issued at 5s. each. These tickets are inclusive charges excepting admission to the various competitions. Non-members of the Conference will be permitted to participate as competitors on forwarding the above amount, 10s. 6d., to the secretary of the sports committee.

Transport.—Conveyances will be provided to take competitors to Heaton Park. These will start from near the Midland Hotel at 9.30. Exact place of embarkation will be announced on the notice board at the Midland Hotel during Conference week.

Lunch.—Lunch will be served in Heaton Hall, commencing at 1 p.m.

Tea.—Afternoon tea will be served from 4.30 p.m.

Band.—The Manchester City Police Band will provide music during the afternoon.

COMPETITIONS

Golf.—Men's Competition. An eighteen-hole stroke competition under handicap will be played for the Edmund White trophy. First and second prizes will be given. The Edmund White trophy can be won only by a member of the Conference.—Ladies' Competition. Eighteen-hole stroke competition under handicap. First and second prizes.

Tennis.—Mixed doubles, American tournament. Partners to be drawn for. Prizes for winners and runners-up.

Bowls.—Knock-out tournament. Twenty-one up. Prizes for winner and runner-up. International match.

Putting.—Eighteen-hole putting competition. Open to all. Each competitor will be entitled to return three cards. The lowest only to count. Prizes for first lady and first gentleman.

PRIZES

One prize in each section of the above competitions will be allotted to a member of the Conference. The remaining prizes will be open to members and non-members. Intending competitors will greatly facilitate the working of the sports committee by returning the entry form to the sports secretary, J. W. Aves, Hilton Arcade, Prestwich, Manchester, as soon as possible.

Photographs

The photographs on pp. 10 and 11, taken by Mr. John Cleworth, the official Conference photographer, give an idea of the thoroughness with which Manchester pharmacists have organised the events of this year's meeting. The names of members of the committee groups, in order of occurrence and reading in each case from left to right, are:—

LEADING CONFERENCE OFFICIALS

Standing, R. G. Edwards (secretary, Local Executive). E. H. Simmons (chairman, Local Executive), J. H. Franklin (chairman of the Conference). **Seated,** Mrs. Edwards (vice-chairman), Mrs. Woolley (chairman), Mrs. Miller (secretary of the Ladies' Committee).

GROUP OF RECEPTION AND HOUSING COMMITTEE

Standing, T. Miller (secretary), D. Dickson (chairman), E. H. Simmons, J. Grier, M.Sc., E. Stabler. **Seated,** Mrs. Collins, Mrs. Simmons, Miss Roberts, M.Sc.

GROUP OF ENTERTAINMENTS COMMITTEE

Standing, A. E. Thorpe, H. Milner, O. L. Fewster, P. Hogley, J. Cleworth, R. B. Maskell (secretary), D. Dickson, J. Gough, J. H. Nidd. **Seated,** R. G. Edwards, E. Walters (chairman), Mrs. Maskell, Mrs. Brindle, J. H. Franklin (chairman of the Conference).

GROUP OF LADIES' COMMITTEE

Standing, Mrs. Howarth, Mrs. Sprott, Mrs. Collins, Miss Roberts, M.Sc., Mrs. Cuttiford, Mrs. Brindle, Miss Duncan, Mrs. Walmsley. **Seated,** Mrs. Simmons, Mrs. Franklin, Mrs. Edwards, Mrs. Woolley, Mrs. Miller, Mrs. Dickson, Mrs. Stabler, Mrs. Walters.

GROUP OF EXCURSION AND TRANSPORT COMMITTEE

Standing, G. S. White, J. H. Nidd, T. Miller, J. R. Walmsley, F. B. Flint, G. W. Haworth. **Seated,** Mrs. Franklin, E. Stabler (chairman), D. Lewis (secretary), Mrs. Breese.

GENTLEMEN'S COMMITTEE

Back Row, A. Maude, J. H. Nidd, H. Stout, O. L. Fewster, E. Barker, Alderman P. Knott, A. E. Thorpe, F. W. Latham, W. Edwards. **Second Row,** E. Walters, J. A. Collins, J. S. Breese, J. Aves, D. Lewis, J. R. Goldthorpe, W. F. Cuttiford, H. Howarth, J. L. Davison, J. Grier, M.Sc., J. W. Wood. **Seated,** H. Brindle, B.Sc., W. Kirkby, M.Sc., D. Dickson, J. H. Franklin (chairman of the Conference), E. H. Simmons, R. G. Edwards (local secretary), E. Stabler, T. Miller.

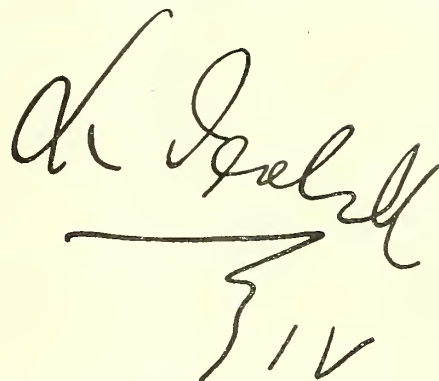
PUBLICATIONS COMMITTEE

Standing, T. Miller, H. Stout, A. Maude, J. L. Davison. **Seated,** J. R. Goldthorpe (secretary), H. Brindle, B.Sc. (chairman), W. Kirkby, M.Sc.

Prescription Problem

The Editor will be glad of the loan of original prescriptions for this column, together with the correct transcription.

Our next problem is given below. Exact transcriptions of the prescription are invited on postcards only (one attempt), which should reach the Editor, THE



CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, not later than the first post on Tuesday, July 14. Prizes will be awarded at the discretion of the Editor.

LEAGUE OF NATIONS.—The League of Nations has issued a lengthy report (pp. 215, Allen & Unwin, Ltd., Great Ormond Street, London, W.C.1, 7s. 6d.) entitled "Analysis of the International Trade in Morphine, Diacetylmorphine and Cocaine for the Years 1925-1929: Part I." This report has been prepared for the Conference on the Limitation of the Manufacture of Narcotic Drugs.

B.P.C. COMMITTEES.



SOME LEADING CONFERENCE OFFICIALS



RECEPTION & HOUSING COMMITTEE



ENTERTAINMENTS
COMMITTEE



LADIES COMMITTEE



EXCURSION &
TRANSPORT COMMITTEE

CONFERENCE COMMITTEES



GENTLEMEN'S COMMITTEE

MANCHESTER,
1931



PUBLICATIONS COMMITTEE

"C. & D." Retail Price List

CHANGES in prices during the last months have again been comparatively few, and mostly small in amount. Bismuth salts and industrial alcohol are exceptions, having advanced sufficiently to cause additions in the retail price. The index for June remained unchanged owing to other reductions which counteracted the advance in the two exceptions. For the last three months the index of drugs has remained at the same figure, namely, 126.5. This is the first time since we introduced the comparison of figures with pre-war prices. In surgical dressings, the index remains at the same figure as before—158.6, there are, however, a few changes in prices of first-aid dressings.

Trade Notes

"SHOWCARD LAYOUT AND DESIGN" is the title of a book by Edgar Bond (Blandford Press, Ltd., 5s.), which is a useful treatise on modern productions. Though there are over 300 illustrations of showcards collected from all parts of the world, little attention appears to have been paid to pharmaceutical, toilet and perfumery business. The chapters dealing with lettering, design, layout, colour and such like technical matters, give the information necessary to the man who aspires to write or design his own showcards, but the phrases suggested as suitable for chemists could in most instances be improved.

VINOLIA, LTD., Bebington, Cheshire, are supplying a large range of attractive display matter for their well-known products, and some of the showcards are shown in the accompanying photograph. For the Premier soap there is a fine cut-out display stand, which holds a box of three tablets, and four small alluring counter cards; for the company's baby products there is the

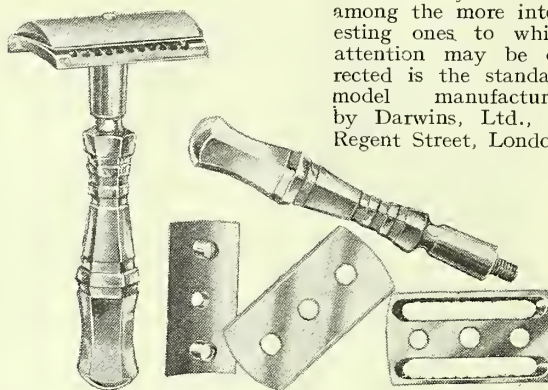


cut-out shown in the illustration (fitted in a three-tablet box), and others, which call attention to the dusting powder, having pin projectors for attaching them to a door or window frame; the large facsimile of the shaving stick case is worthy of a prominent position in a display, while the "Lather-Rather" showcard, to which we have referred on a previous occasion, is familiar both in this form and as a poster. There is also as the latest addition to the range a striking card "featuring" Vinolia Fixative Hair Cream.

RUSKS.—Butler & Crispe, 80 Clerkenwell Road, London, E.C.1, are the distributors to the drug trade of Crimony health rusks. The rusks, which are well made and light, are packed in greaseproof paper and enclosed in cartons to retail at a popular price.

GARDNER'S PATENT MIXERS.—Owing to a last-minute alteration made in the position of the illustrations on page lxvii in the ANNUAL SPECIAL ISSUE, the descriptions of Gardner's "Combined 'Rapid' Grinder and Sifter for Drugs, Chemicals, Leaves, Roots, etc.," and that of Gardner's "Patent 'Rapid' Sifter and Mixer for all kinds of Dry Powders" were reversed. Will readers please note? Further details may be obtained from Wm. Gardner & Sons (Gloucester), Ltd., Bristol Road, Gloucester.

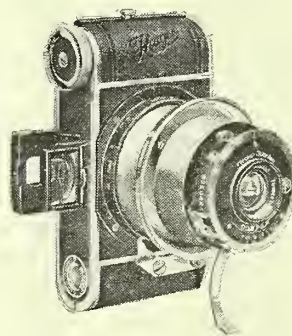
A STAINLESS SAFETY RAZOR.—Considerable improvements in the design of safety razors have been effected in recent years, and among the more interesting ones to which attention may be directed is the standard model manufactured by Darwins, Ltd., 29 Regent Street, London.



The razor is noteworthy not only for being made entirely of stainless steel—the advantages of which are too obvious to need comment—but the components are of unusual design. As will be appreciated from the photograph, the handle affords a "non-skid" grip; instead of prongs, grooves are cut in the lower section of the headpiece; the outer side of the top is so shaped that it facilitates the holding of the razor at the correct angle when shaving. Balance has much to do with the efficiency or otherwise with which a razor (safety or "cut-throat") can be wielded, and the Darwin is to be commended in this respect. The razor is packed in a two-colour box made of a bakelite-type of material. In addition to the standard model there is a de luxe and also a ladies' pattern.

SOUTH AFRICAN BUSINESS.—Mr. Verrinder (Verrinder, Ltd., manufacturers' agents, 66 von Weilligh Street, Johannesburg, South Africa), who, as will be seen on another page in this issue, is at present in London, desires to get in touch with manufacturers wishing to extend their business in the South African market.

AN INTERESTING CAMERA.—Garner & Jones, Ltd., Polebrook House, Golden Square, London, W.1, have sent for our inspection the Weeny-Ultrix camera shown in the photograph. This camera, which is beautifully made, compares favourably with those which are selling around twice the price. It takes vest pocket (No. 27) film, and is designed to allow eight exposures—not sixteen, as several of those described in the C. & D. photographic number (C. & D., April 25). The lens and shutter are mounted in a double-action right- and left-handed quick thread helical mount, which is absolutely rigid and ensures perfectly sharp focusing from infinity to as close as two feet. A safety device is incorporated which automatically puts the shutter out of action when the camera is closed. A new model of support is provided, which folds round the lens jacket. As the lens is unscrewed to the position for photographing it is automatically stopped for use at infinity; for closer objects pressure on a lever enables the requisite adjustment to be made by turning the mount through a quarter of a circle. The view-finder is quite satisfactory; the body of the camera is leather covered with metal edges. The model illustrated is fitted with a Zeiss Tessar lens (f4.5) and Compur shutter, but others of greater and less cost are available.



STAFF OUTING.—The Cyona Co., Ltd., Didcot, Berks, inform us that though their factory will be closed on July 4, owing to the annual staff outing, arrangements have been made to deal with urgent post orders.

FRANCIS NEWBERY & SONS, LTD., druggists' sundriesmen, 27 Charterhouse Square, London, E.C.1, inform us that they have appointed Mr. G. R. Jenkins as their representative in succession to Mr. A. L. Hodgson.

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2, announce reductions in the wholesale and retail prices of Torch brand and National mark extract of malt and extract of malt and cod-liver oil.

PRICE REDUCTIONS.—Wilcox, Jozeau & Co. (Foreign Chemists), Ltd., 15 Great St. Andrew Street, London, W.C.2, state that there has of late been a reduction in the price of several of the preparations which they supply. Chemists are asked to write for the supplementary list, which will be sent post free on receipt of a post-card request for it.

DISINFECTANTS.—The special disinfectants approved by the Ministry of Agriculture, the Office of Works and the Board of Trade are obtainable from, among other manufacturers, Burt, Boulton & Haywood, Ltd., Salisbury House, London Wall, London, E.C.2. The company can also supply ordinary carbolic disinfectant fluids guaranteed to contain from 10 to 15 per cent. of tar acids. Not only do Messrs. Burt, Boulton make the black variety of disinfectants, but the white form as well, which are miscible with sea water. A combination which many chemists' customers would prefer is one containing pine and carbolic. This possesses a Rideal Walker coefficient of 10/12. The company also supply a wide range of disinfectant powders, formalin solution and tablets, sulphur candles and naphthalene, while among other products which they manufacture are sheep dips, wood preservatives, naphtha, benzol, sulphate of ammonia and black varnishes. Ialine antiseptic ointment is their well known proprietary for the treatment of wounds and burns.

Marriages

BINGHAM—TURNBULL.—At St. Michael's Church, Workington, on June 9, Robert W. Bingham, chemist and druggist, to Mabel Robinson Turnbull.

BLINKINSOP—AUSTIN.—At St. James's Church, Wolverhampton, on June 7, Raymond Thomas Blinkinsop, chemist and druggist, to Clarice Irene Austin.

GAULDIE—HUTEAU.—At St. George's Presbyterian Church, Johannesburg, South Africa, on June 3, by the Rev. Bruce Gardiner, Frank Martin Gauldie, chemist and druggist, Schweizer Reneke, Transvaal, eldest son of Mr. N. L. Gauldie, chemist and druggist, Rustenburg, to Dorothy Gertrude Huteau.

Silver Wedding

BAILES—COBB.—At St. James's Church, Halifax, on June 28, 1906, by the Rev. G. Oldacres, Vicar of Illingworth, Arthur T. Bailes, M.P.S., Harrogate, son of the late Mr. T. F. Bailes, Stockton-on-Tees, to May, eldest daughter of Mr. G. M. Cobb, M.P.S., 64 Northgate, Halifax. Present address: 1252 Leeds Road, Bradford.

Deaths

BASCOMBE.—At 73 Tulse Hill, London, S.W.2, on June 26, suddenly, Sophia, the beloved wife of Mr. Frederick Bascombe, F.I.C., Ph.C.

BEVERIDGE.—At 17 Barns Street, Ayr, on June 19, Mr. William Beveridge, chemist and druggist, aged

eighty-four. Mr. Beveridge was in business at Newmarket Street, Ayr, for nearly fifty years, and was president of the South Ayrshire Pharmaceutical Association for a long period. He was a member of Ayr Town Council from 1893 to 1898, and for over forty years he was an elder in Cathcart Street Church. Mr. Beveridge, who was a native of Kinross, had been in business there and had served on its Town Council.

GOLIGHTLY.—At Whitley Bay, on June 11, Mr. Albert Welch Golightly, chemist and druggist, 291 Whitley Road, Whitley Bay, aged fifty-nine. Mr. Golightly had experience at Sunderland before commencing business at Whitley Bay. He was a founder of the Whitley Bay and Monkseaton Rotary Club, and a prominent member of St. Paul's Church. Mr. Golightly was for some years secretary of the Sunderland Chemists' Association. The funeral was numerously attended, and there were many floral tributes, including some from fellow pharmacists.

HILL.—On June 27, Mr. James Hill, Ph.C., Castle Street, Strabane. Mr. Hill passed the Licence examination of the Pharmaceutical Society of Ireland in 1892, and was registered a member of the Northern Association in 1926. He spent practically all his business career in Strabane. He was a noted stock breeder, and took a prominent part in the affairs of the Presbyterian Church.

MITCHELL.—At Balclutha, Dumbarton, on June 16, suddenly, Mr. Patrick Mitchell, chemist and druggist, aged sixty-seven. Mr. Mitchell was secretary to the Burgh of Dumbarton Pharmaceutical Committee.

PATMAN.—At Liverpool, on June 22, Mr. Frederick Thomas Patman, chemist and druggist, aged eighty. Mr. Patman was for eighteen years in business at Whitehaven, at the pharmacy now owned by Mr. J. H. Grayson, Ph.C. Afterwards he traded at Seascale for thirty-one years, retiring three years ago.

ROLLINSON.—At Huddersfield, on May 22, Mr. Law Rollinson, chemist and druggist. Mr. Rollinson qualified in 1929.

SANFORD.—At 86 Finchley Road, London, N.W., on June 20, Mr. Walter Sanford, for thirty years representative of Duncan, Flockhart & Co., manufacturing chemists, Edinburgh and London, in South-West London, aged sixty-four. Mr. Sanford's companionable personality rendered him a welcome visitor in South-West London pharmacies. Latterly he had been manager of Kaylene, Ltd., Waterloo Road, Cricklewood, N.W.2. He was a former president of the St. Vincent Association and a member of the Galen Masonic Lodge.

Personalities

WE had a visit this week from Mr. P. D. Oliver, a South African pharmacist on holiday in this country, in the business conditions of which he finds much of interest.

MR. R. A. KING, M.B., B.S., son of Mr. A. King, chemist and druggist, Wigston Magna, Leicestershire, has been awarded the Fellowship diploma of the Royal College of Surgeons. At St. Mary's Hospital, London, Dr. King proved himself a brilliant student, winning a number of prizes, including the Wallace memorial prize for bacteriology and the Cheadle gold medal for medicine. He passed the M.R.C.S., L.R.C.P., in 1927.

PROFESSOR HERMANN THOMS, this year's recipient of the Hanbury medal, was born in 1859 and qualified as a pharmacist from the University of Jena in 1884, gaining the Ph.D. degree in 1886 as the result of research work at the Universities of Wurzburg and Jena. Dr. Thoms took a position as teacher of pharmaceutical chemistry in the Frederick William University in Berlin in 1895. He is a corresponding member of the Pharmaceutical Society of Great Britain.



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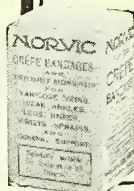
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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

A/296. "Autocoids" ovary ampoules (makers or suppliers)

B/246. Atokatharticon

S/176. B.O.H. shaving cream

S/176. Charmosan

S/176. Dr. Herald's talc powder

S/176. Gouch's (or Gonches) liquid brillantane

R/17. Marialor tooth brush

II/276. "Otto-Freeze" soap

M/276. Stannington paste

P/246. Valtier Frères beauty preparations

S/145. Ventian water (for lightening the hair)

B/M/306. Viggermalt or Viga-malt

The CHEMIST AND DRUGGIST

VOL. CXV

JULY 4, 1931

NO. 2682

Health and the Public

THE discussion of health topics with the general public is not so simple a matter as it might, on casual consideration, be supposed. Chemists in business have their part to play in instructing their customers, from time to time, on the cultivation of healthy living; and for this reason the wider aspects of what is sometimes called health (or hygiene) propaganda are of considerable importance for them. We have lately been reading, in the British and American medical Press, various comments arising chiefly out of an address delivered by Dr. Robert Hutchison at Winnipeg last summer. Dr. Hutchison, a brilliant if somewhat opinionative exponent of any subject he takes in hand, advanced the thesis that the well-meaning promoters of health talks and popular articles on medical topics are really injuring the community by creating an over-anxious regard, and sometimes a morbid curiosity, under the guise of a "health conscience." Sickness, he contends, increases by suggestion, and most health propaganda is based on fallacies. Other medical men of experience disagree with Dr. Hutchison; their attitude, broadly, is that the more the public can be induced to take their ailments to the doctor in good time the better.

Two Methods

A good deal, obviously, depends on the way in which medical information is issued by the profession. The sensational way is comparatively easy, ensuring a good sheaf of Press notices. We read, for instance, in almost every London daily paper a few weeks since the following pronouncement by a Westcliff doctor:—

"Castor oil is a much more dangerous drug than morphia. It is a murderous thing to give castor oil to a child who is sick and has a pain in the 'tummy,' which may be an indication of appendicitis. I have seen at least two cases killed by castor oil. Never give castor oil unless a doctor tells you."

The opposite way and its reception are well indicated by a medical correspondent in a recent issue of "The Lancet." He writes:—

"The truth is that a conscientious medical correspondent would spoil almost any 'story' by his pleas for caution and confirmation, and it is very difficult for him to keep his job. . . . Hygienic advances make tiresome reading unless they are written round a picturesque personage, and only the best newspapers like to publish judicial reviews of medical subjects. For the rest, news editors are chiefly interested in novel methods of treatment—preferably Ruritanian and unorthodox. No one nowadays wants a medical correspondent who sends in poignant appeals to wash seven times in Jordan, and since it is difficult to keep on telling one or two million people how to keep healthy, or even give them universal truths about health, one is greatly tempted to write about disease instead."

Other Difficulties

That is not the only difficulty. If they are not careful, medical men may in this matter eventually find themselves working as pawns in a game played by the Napoleons of advertising. Reputable manufacturers, of course, are accustomed to keeping in touch with the profession in a manner honourable to both sides; but in a recent issue of "The Journal of the American Medical Association" we notice a comment on certain quasi-diplomatic pressure that has been

brought to bear, in the United States, in the direction of ensuring that medical societies purchase advertising space in newspapers:— From the society to the individual medical man is only a step. Finally there is the public inertia and lack of balance to overcome. From a series of thoughtful and instructive lectures on mental therapy and kindred subjects, recently delivered by Dr. E. Graham Howe, we take the following:—

"Progress will only be achieved in face of a wish to retain the easy attitude of irresponsibility which has been fostered in the past. It is so much easier to pay 9d. a week and claim medical services and a bottle of medicine than it is to assume responsibility for the preservation of one's own health. . . . We may suggest that the problems of hygiene and the education of the general public in matters of physical health would seem first of all to involve the conversion of doctors as a whole to a new attitude of mind based upon a knowledge of motive and the principles of psychopathology, rather than upon the more material foundations of anatomy, physiology and pharmacology."

That is a hard saying, but a saying embodying much truth. The superior training of the profession should make for a victory worth securing, but it is not likely to prove an easy victory.

Better Markets

THE movements in the markets this week, as indicated in our Reports in this issue, make rather more cheerful reading. The improved conditions are, of course, largely the result of the tonic administered by the proposals to suspend for a period the payment of international war debts. After prolonged and persistent slackness in business, which ultimately resulted in bringing about the most despondent tone and outlook in memory, conditions have at last taken a slight turn for the better. In crude drugs the markets are steadier, some values are already recovering, and there is a trifle more business moving. Essential oils show a general uplift, there is more confidence in the markets, and business in these products has been more in evidence during the past week than at any other time this year. A sharp and considerable recovery from record low levels in practically all fixed or vegetable oils has taken place in the course of a few days, and further appreciations are anticipated. The chemical markets are not so sensitive to international political movements, and have not been affected to any extent, the alteration recorded being due to ordinary commercial conditions. So far as actual business is concerned isolated lines may have experienced a revival in demand, but, as a whole, the markets are still on the quiet side, the little improvement of a general character being partly due to "bears" covering. At the moment it can be said there is a better tone, with a tendency towards a return of confidence which is essential if business is to increase in volume. This healthier outlook is borne out by the recoveries in values of a number of products, a slightly better demand, and the covering by "bears," who have had a long spell of successful operations. These conditions are bound to result in an improvement in business provided they are sustained and developed. The mere proposals of a temporary suspension of payment of war debts have had a good effect on the markets and on commerce generally; their acceptance and operation by the nations concerned should have nothing but a salutary and heartening influence. On the other hand, a negative result to the political effort that is now being made, which is hardly conceivable, would, there is little doubt, result in the markets falling back and becoming even more dejected than they were before Mr. Hoover made his suggestion of a moratorium.

John Dalton, F.R.S.,

Lecturer in Pharmaceutical Chemistry

By William Kirkby, M.Sc., Ph.C.

THE services rendered by John Dalton to the cause of science, particularly to theoretical and experimental chemistry, have been celebrated in many ways, and on many occasions, by scientists of the highest repute. But during his lifetime he was better known to his own townsmen by labours of a more immediate and intimate character. John Dalton was born at Eaglesfield in Cumberland in 1766, where he continued to live until he was fifteen years of age, when he left his village home to join his brother Jonathan in Kendal. Jonathan was then an assistant in the school of his cousin George Bewley. Jonathan and John, at the end of four years, undertook the proprietorship of this boarding school on the retirement of their cousin. This was not John Dalton's first essay in the teaching profession. At the precocious age of twelve Dalton opened a school at the Friends' Meeting House at Eaglesfield. "Just as the twig is bent the tree is inclined" is a proverb well illustrated in this case. At the age of nineteen he was part proprietor of a boarding school, but this did not satisfy his ambition; in 1787, then being twenty-one, he took the bold step of announcing himself as a lecturer on natural philosophy, as it was then called.

The career of Dalton as a lecturer does not seem to have greatly impressed his earlier biographers. It now seems desirable to provide a sketch of Dalton's life giving a rather more connected account of his work in the field of teaching. The initial course of lectures just referred to can hardly have been very attractive to his Kendal friends, either because of the subject or because the fee was too high, for in 1791 he issued a syllabus for another series of twelve, for which the fee was sixpence each lecture, or 5s. for the whole. He called these "Philosophical Lectures," and the subjects were more extensive in range. The first and second dealt with mechanics, the third and fourth with optics, the fifth and sixth with hydrostatics and pneumatics, the seventh with fire, the eighth, ninth and tenth with astronomy, and the eleventh and twelfth with the use of the globes. Both at Eaglesfield and at Kendal Dalton was greatly assisted in his studies by Elihu Robinson, and by John Gough, a blind friend of much influence, whose memory he celebrated in the second edition of his "Meteorological Observations." He was also a considerable debtor to Peter Crosthwaite, of Keswick, who was the founder of the Keswick Museum, and an ardent student of botany and entomology. His intercourse with these friends combined to launch him on the tide as a teacher and lecturer.

Early Ambition

It appears quite early that his work as a pedagogue and his philosophical and mathematical studies were not going to satisfy the ambitions of the young philosopher; he had the desire to enter one of the learned professions. His uncle, Thomas Greenup, who was a barrister, was of the opinion that his nephew's circumstances were on

too moderate a scale for him to make a venture either as a physician or a lawyer. and recommended that of an attorney or an apothecary as more likely to be within his reach. On the other hand, his old friend Elihu Robinson advised him to continue in the teaching profession, "believing," as he said to him, "thou would'st not only shine, but be really useful in that noble art of teaching youth." Nevertheless, at that time he was making, without any previous medical training, experiments in human physiology, apparently with a view to entering upon some systematic study of the subject. Dalton decided to discontinue this work and again took up his former studies and labours in Kendal until 1793, when the way was indicated for a further step in his work as a teacher.

In 1786 there was established in Manchester a college for the purpose of giving "a high class education to laymen and to candidates for the Presbyterian ministry, free from all and every religious and political test." This

institution was a protest against the religious tests then in force at the English Universities. "The Manchester Academy," as it was called, was the continuation of the "Warrington Academy" in which Joseph Priestley had been a tutor. In 1793 Dr. Barnes, the principal of this New College of Manchester, was seeking a suitable person to teach mathematics, and inquired of Mr. Gough, of Kendal, to recommend him a suitable person. As a consequence Dr. Barnes offered the post of tutor in mathematics and natural philosophy to Dalton, who accepted the offer and came to Manchester in 1793, at a guaranteed salary of £80 for the session of nine months, from September to June. After six years in the service of the College, which was situated in Mosley Street, he resigned in order to carry on his tutorial work in a private capacity and to secure some independence for his experimental work in chemistry.

Manchester became the home of John Dalton for fifty-one years, throughout which time he devoted himself to teaching and to the prosecution of work in meteorological and chemical research combined with undertakings of an advisory and technical character for his friends and



JOHN DALTON (From a Daguerreotype)

manufacturers in the town. In 1794 Dalton read his first paper before the Manchester Literary and Philosophical Society (a Society which this year—1931—celebrates its sesquicentenary) and of which Dalton became one of its most distinguished members. He was elected to it in 1794, and it may be supposed that his association with men such as Dr. Percival, Thomas Henry and Robert Owen would strengthen his determination to follow his call as a teacher of philosophy. In the following year he contributed another paper to the Society, and in the next year he thought he would again do some lecturing in Kendal. He wrote to his brother Jonathan to see if a course of six lectures on chemistry and "six on other branches" could be arranged at a charge of rs. 6d. for each lecture for two persons—either for a gentleman or lady or two ladies. The proposal was duly carried out; the proceeds were £7 15s., and the expenses £1 6s.

A Successful Lecturer

Any account of Dalton's work as a teacher would be incomplete without some reference to his "Elements of English Grammar," printed in 1801. This curious little volume is rather rare and interesting because of several peculiarities, and of these not the least is that, as he says in his "Preliminary Observations," he has "deviated considerably from the path of my predecessors in Grammatical Science." His abilities in the lecture theatre must have been very acceptable, as appears from his courses given at Leeds, Birmingham, Glasgow, Edinburgh and London. On two occasions he was in London at the Royal Institution, the first series of lectures taking place in 1803, and the second in 1809. For the earlier course he received a fee of eighty guineas and received the friendly advice of "Mr. Davy," who "advised me to labour my first lecture"; so he committed it to paper, and his audience of 150 to 200 people "gave a very general plaudit at the conclusion." These lectures were more embracing than those previously mentioned in respect of treating of sound, heat and the constitution of mixed gases. He seems to have attached much importance to his Royal Institution lectures, for when he returned to Manchester he gave the Literary and Philosophical Society, on February 24, 1804, "A Review and Illustration of some Principles in Mr. Dalton's course of Lectures on Natural Philosophy at the Royal Institution in January 1804."

The success of the London lectures gave an impetus to this kind of work, which certainly seems to have been congenial. Subsequently he undertook further lecture courses in Manchester, Edinburgh, London, Birmingham and Leeds. The amount of his remuneration varied considerably; the maximum he received was apparently from the 1811 Manchester series of ten weeks, which reached £130. His services as a consulting chemist and as an analyst were in considerable request, and he was employed as a witness in lawsuits, from which sources he augmented his income.

In 1824 Dalton's work as a lecturer and teacher assumed a rather different character, inasmuch as after his severance of the connection with the Manchester New College his employment had been of an entirely private nature. But in that year he was solicited by Thomas Turner, F.R.C.S., to assist in the organisation of a school of medicine. Turner was of the opinion "that the only way in which existing deficiencies in early medical training could be supplied" was to provide preparatory schools of medicine and surgery in the provinces. His suggestion was well received by the faculty in Manchester, and in October of that year he opened a school in Pine Street, for the instruction of medical students in anatomy, physiology, pathology and pharmaceutical chemistry. Turner undertook the first three subjects, and Dalton consented to take chemistry. This school was a success, and the proprietor was so encouraged that in the following year he had a staff of five lecturers in addition to himself; in 1827 there was a body of seven lecturers; and in 1833 medical jurisprudence was added to the curriculum. Pharmaceutical chemistry was a novelty in a medical curriculum; but Turner considered it of much importance. In his opening address of the session of 1825 he said: "Pharmacy without chemistry would do

more harm than good, as our ignorance would lead us to bring together incompatible substances, which would render the operation inert, if not injurious." He then proceeded to tell of the satisfaction with which Dalton's lectures had been received. Dalton's course of pharmaceutical lectures must have been regarded as an exceptional feature, if we may draw any conclusions from the fact that they were specially advertised in "The Manchester Guardian," of Saturday, December 4, 1824. The advertisement reads:—

To Medical Students.

JOHN DALTON, F.R.S., President of The Literary and Philosophical Society, intends to commence a Course of about Fifteen LECTURES on PHARMACEUTICAL CHEMISTRY at Mr. Turner's Lecture Rooms, Pine Street, on Tuesday evening, the 7th of December, at seven o'clock.

These lectures, after explaining the first principles of Chemistry, will proceed to apply them to investigations respecting the *Materia Medica*, and to other purposes relating to the profession. Tickets for the Course, at One Guinea each, may be had of Mr. Dalton, No. 10 George Street.

For the above lectures Dalton had a syllabus printed, bearing the date of the first lecture; the subjects were classified under fourteen headings. The subject of *materia medica* did not, as far as one can judge, form an important part of the programme. This was no doubt felt at the time, because the following year *materia medica* was dealt with by Dr. J. L. Bardsley (later Sir J. L. Bardsley). In the first session Dalton's fees amounted to £27 8s., and his expenses were £10 10s. While his lectures were much thought of by Turner, it appears that they were not altogether to the liking of the students, who complained about the lecturer's prolixity. Beginning at 7 p.m., it was not remarkable that when the conclusion was not reached before 9 o'clock, or even 10 o'clock, students would feel they could well be excused for creeping out for supper. Dalton had a sincere interest in the practice of medicine; this is revealed in a reference he made in a paper he read in 1830 to a time "nearly forty years ago."

One of the earliest, as it was one of the most continuous, of the interests of John Dalton was the study of meteorology and the regular taking of meteorological observations. The night before he died the last words he wrote were to set down the barometer and thermometer records at nine o'clock, adding "little rain." In 1825, 1827-29, 1834 and 1835 he gave courses of lectures in Manchester on this subject. Very appropriately his last lecture of which any account has come to light was given in 1835 in the Manchester Mechanics' Institution on the "Atomic Theory." The audience was so large that it filled the lecture-room, and the interest so intense that the greatest anxiety was felt not to lose a single word of the speaker's discourse. This record is in some degree an amplification of Dalton's own summary of his life's work as expressed in the final clause of that modest memorandum he wrote for Miss Catharine Johns.

Among those who were students in Dalton's laboratory were men whose names reflect lustre upon that of their teacher. Of these were Lyon Playfair, Angus Smith, Edward Schunck, Alexander McDougall, John Edward Taylor (who founded "The Manchester Guardian") and James Woolley, whose association, with his instructor, was also of an intimate family character. Those who have written of John Dalton have had to avail themselves of the material which James Woolley, his son George Stephen Woolley, and to-day Mrs. James Woolley, have so generously placed at their disposal. James Woolley wrote the first memoir on Dalton, which was read at the meeting of the Manchester Literary Philosophical Society, on January 23, 1849. It was never published, but it was made use of by Dr. W. C. Henry in compiling his memoirs of John Dalton for the Cavendish Society. The long connection of the Woolley family with pharmacy initiated by the early association with Dalton seems to have reached a most fitting commemoration in the Woolley Pharmaceutical Research laboratories in the University, opened last October. I should like to express my thanks for being again permitted to make use of the Dalton items preserved by Mrs. Woolley.

Cork: From Forest to Pharmacy

A Short Account of the Nature and Manufacture of a Useful Commodity

AMONG the products of the forest are many of the raw materials used in industry. One of the most interesting but perhaps, strangely enough, the least understood, is the common cork. Comparatively few, it would appear, have clear ideas of the origin of this useful commodity or know precisely how it is adapted to meet modern requirements. The cork of commerce is obtained from the bark of cork oak, of which two species are recognised, *Quercus suber*, Linn., and *Quercus occidentalis*, Gay; the trees are common over a fairly wide area. Portugal is perhaps the greatest cork-producing country, and the industry there is a principal one, forming a chief source of national revenue. It has been stated that the area in Portugal covered by the cork oak amounts to about 20 per cent. of the total forests. Spain is a close second (although, according to figures published in 1927, the area covered in Spain was slightly in excess to that of Portugal), cork being one of the chief exports. The tree is found also in Corsica, Algeria, Sardinia, Tunisia, Morocco and, to some extent, in Greece, Tripoli and Asia Minor. Most of the cork gathered in Algeria is exported either in the crude state or after some process of preparation; this country, together with Tunisia, supplies more than a quarter of the total world output; Morocco also exports most of her cork. The use of cork dates back to the Egyptians, Greeks and Romans, and an early writer mentions the cork oak, describing it and drawing attention to its extreme lightness. Pliny states that cork was used by the Roman fishermen as floats for nets and tackle. Some years ago a flask, probably perfume, was found in the ruins of Pompeii, with the cork still intact—the grain showing clearly, although the material crumbled on touching. The flask was of cloudy, bluish glass. Sandals with remains of cork soles have been found at Pompeii and Herculaneum.

The Cork Oaks

The cork oaks, *Quercus suber* and *Quercus occidentalis* are of somewhat irregular growth, usually reaching

a height of between twenty and fifty feet, with a foliage of small evergreen leaves having serrated edges; the leaves are velvety to the touch, measuring each about $1\frac{1}{2}$ inch long by $\frac{1}{2}$ inch broad. The position of the trees affords little shade, resulting, in many cases, in too dry soil, an unfavourable condition for the production of good corkwood; usually, only about thirty to sixty trees grow to the acre. The borders of the Mediterranean sea are admirably suited for the rearing of corkwood; and



General View of a Cork Factory at Palaufougell (Manufacturas de Corcho Armstrong, S.A.)

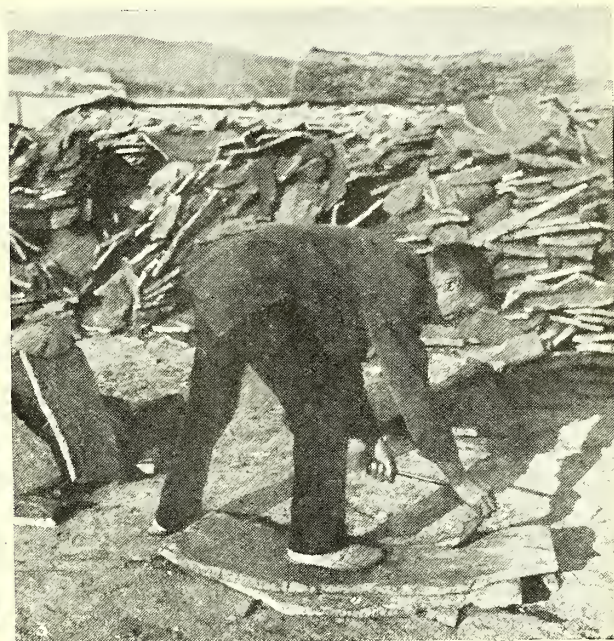
although many attempts have been made to transplant the seed to other countries, not one has been successful. Stecher gives the following interesting example of such an experiment:—"Notable among these attempts, being the American ambition to introduce the tree in the United States. Portuguese acorns were brought to Wayne County, Mississippi, and planted in 1859; the result, as far as the growth was concerned, was splendid; but after a wait of eleven years, the final crop was not a commercial success. Another attempt was made in 1872, in Southern California, but with no better outcome than the first, in which some of the trees attained to a height of thirteen feet and the stem to a diameter of eleven inches, including the cork, which attained a thickness of one inch. This evidently rapid growth would infer that the American zone was all that could be desired for the favourable rearing of cork trees; but, strange to say, this was not the case. Although the growth of the tree had been exceptionally strong the quality of its salient product turned out to be of an inferior character." The cork oak has been experimentally planted in Japan recently, but an inferior bark has been stripped. It would appear, therefore, that the tree cannot successfully be cultivated away from its natural habitat.

The Harvest

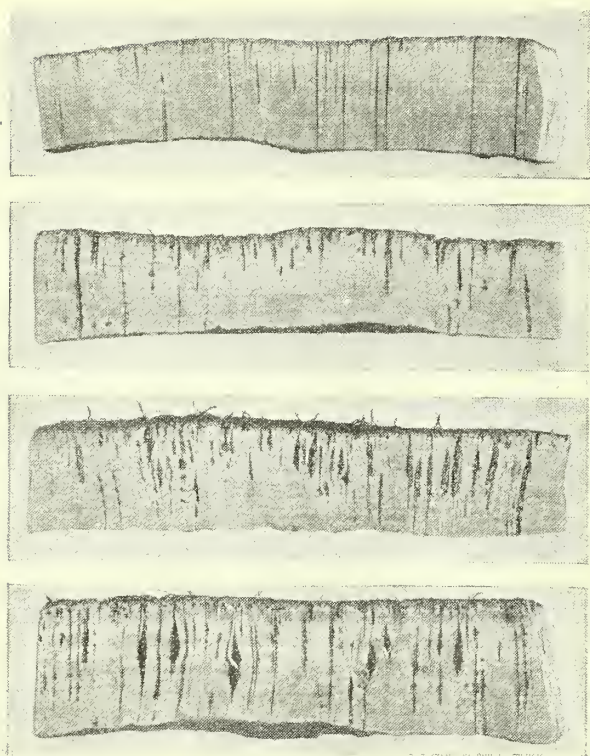
A Spanish regulation, framed no doubt with the object of conserving the supply, lays down that trees may not be stripped until they have attained a stage of growth calculated by the circumference of the trunk at a certain height above the ground. For the first stripping trees are usually between twenty and thirty years of age; the product, however, is useless commercially except for grinding or for decorative rustic work. At an age of between thirty and forty years a good-quality cork may be produced, improving steadily as the tree grows older. An age of 150 years is usual for the cork oak, and trees



Sorting Corks for Quality (Manufacturas de Corcho Armstrong, S.A., Palamos.)



1. Stripping Cork Trees in the Forests near Catalonia. 2. Machine Cutting Corkwood into Strips (Palamos). 3. Scraping Corkwood to free it from Hard Back (Palamos). 4. Making Hand-Cut Corks (Spain). 5. Cutting Corkwood into Strips (Spain). Photographs by courtesy of (1), (2) and (3), Manufacturas de Cercho Armstrong, S.A., Palamos; (4) and (5), N. W. Mitchell & Snow, Ltd., London



Four Samples of Corkwood Showing Different Grades
(N. W. Mitchell & Snow, Ltd.)

have been known to live for much longer periods. The first process in harvesting is the selection of suitable trees. Stripping usually takes place during July and August, when the trees are at their fullest vigour, the implement commonly used being a long-handled hatchet; care in stripping is necessary to prevent damage to the delicate inner bark. The trunk is cut around the top and bottom and then slit vertically; as many horizontal rings as necessary are made and the bark levered off by insertion of the wedge-shaped handle of the hatchet. After a lapse of about eight or ten years a second stripping is performed, and then subsequently about every nine years. Although a similar method is used in Algeria, the strippers use a crescent-shaped saw instead of a hatchet. As the bark is removed it is gathered up in piles and left for a few days to dry. It is then weighed and transported to the boiling station, where it remains to season for some weeks. Then comes the boiling process, after which the rough, woody portion is removed by scraping and the bark graded. The boiling process serves to remove the tannic acid and increase the volume and elasticity of the product. The bark is now ready to be transported to the actual factories or to the nearest shipping point. The transport is of necessity performed by most primitive means, due to the mountainous nature of the district where the corkwood grows, and the lack of railway facilities. Before being manufactured or shipped, the corkwood is again graded, and that for export is baled by hydraulic pressure and bound with wire.

In the Factory

The method of cork manufacture varies in one or two details in England as compared with the Continental factories, but the principle is the same. In England the first operation after opening the bundle (having selected wood of the most suitable thickness and quality) is to cut the sheets of cork into strips. This is known by the English workman as "shoving off"; the "back" is removed at the same time. The next process is "notching," i.e., cutting the strips into squares, or

small rectangular pieces the length of the required finished article, and a square end a trifle larger than the largest diameter of the cork required. The wood selected is about the thickness of the cork, and the strip is cut the same width as the length of the cork; the square is cut a trifle larger than the largest diameter. The pores in the original wood run through the thickness (from "back" to "belly," as the two surfaces are termed); these pores now run from side to side of the square. The old method—still used in many cases—is to round by hand. In the rounding machine the square is placed between the two "chucks" which are brought together with a foot-lever. The knife is thrust forward, and by means of the mitre wheels the square is caused to revolve when the knife takes off the shaving. The knife can be raised or lowered so as to take it further from or nearer to the chucks, making a larger or smaller cork. It can also be tilted to any angle with the axis of the chucks so as to vary the taper of the cork. The next process is to sort the corks that have been cut. In nearly every piece of wood there are many qualities, and in the corks the same condition is found. The corks are then put into a large basket and experienced sorters (usually girls) set to work. One by one the corks are examined—a casual observer might say glanced at—and thrown into one of four or five baskets each for its own particular grade. Some corks which can be improved after suitable treatment are put in with better qualities. The process of cutting off "dusty" pores or bad "heads" or "tails" is called "mending," and the corks so treated are called "menders." An improvement usually effected is to "polish" the corks. This is done on "polishing wheels" consisting of solid discs of metal covered on the face with very fine glass paper, which revolve at a high speed. The corks are placed against this wheel, and given two or three revolutions so that the sides are evenly brushed by the revolving glass paper. A vast improvement in the appearance results without destroying any of the properties of the cork. In the case of a bale of mixed sizes an up-to-date sizing machine which will sort out the corks rapidly and accurately is used.

Other Varieties

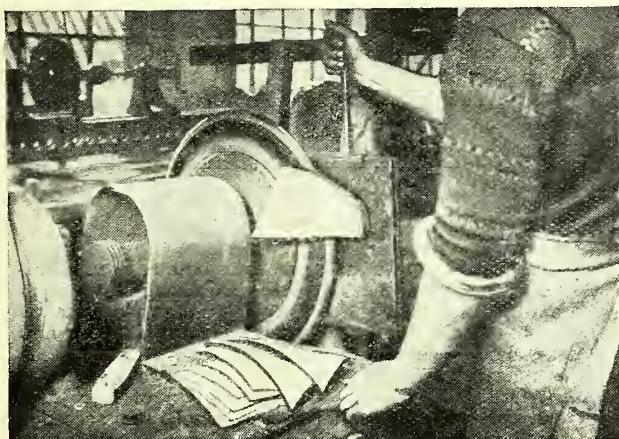
Apart from ordinary dispensing corks other varieties are made, including sprinkler corks, which, after being rounded, are reversed and rounded again. The cork is then pressed twice against a revolving wheel, about two inches in diameter, and having a milled edge, which cuts the fluted sides. Bored corks are held against a stop, and by means of a foot-lever a cutter revolving at something like 1,000 revolutions per minute is advanced on the cork. These cutters are made of very hard steel, and have a fine edge. Cork can be split to many thicknesses; for very fine work machines are required in perfect condition, and the finest wood must be used. The slabs are fastened on plates of iron, by means of cement, and a circular knife cuts off a slice, then the plate swings back, and forwards again for another cut. As it swings back it advances on the knife the same distance as the required thickness of the sheets. There are, of course, many machines and methods used in this work which it would be impossible to describe within the scope of this article. The foregoing description is, however, of a routine quite usual in an English factory. Careful storage of corks is essential, as if they are kept in too dry an atmosphere they become brittle, and if too damp they get mouldy. Crown corks, which are extensively used in the brewing and mineral water trades, consist of a metal cap in which is a disc of cork. While chemists, for use in dispensing, consume a fair proportion of the world's cork supply, the product finds many other outlets in industry. Apart from corks, shives and bungs for containers of all kinds, there are floats, life-buoys, washers, wads and gaskets, mats, cold-storage insulation, linoleum, and a host of other uses few products, indeed, are capable of so many diverse applications.



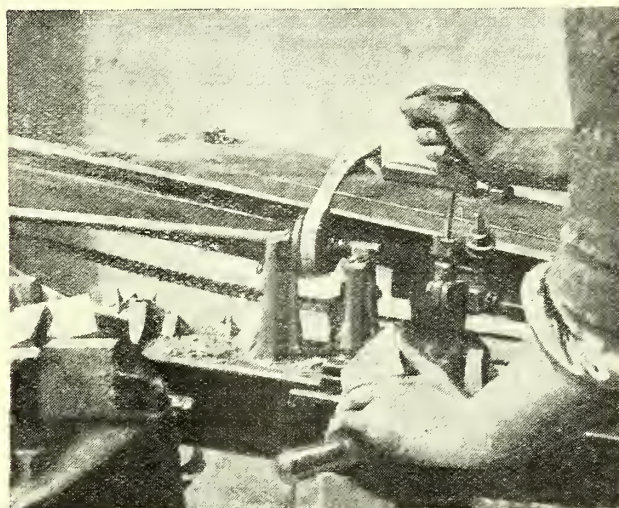
Cutting Cork Sheets into Strips (N. W. Mitchell & Snow, Ltd.)



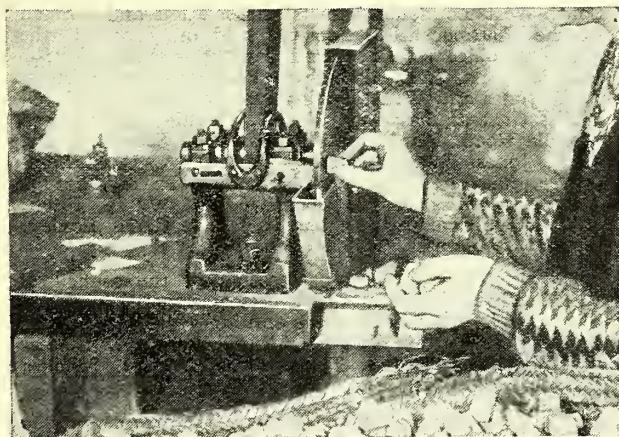
Cutting into Squares (N. W. Mitchell & Snow, Ltd.)



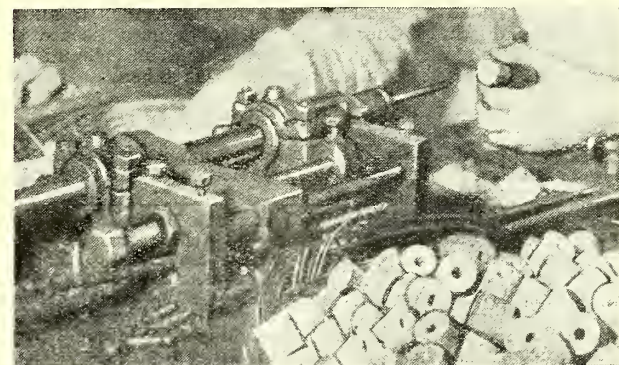
Slicing Cork into Sheets (N. W. Mitchell & Snow, Ltd.)



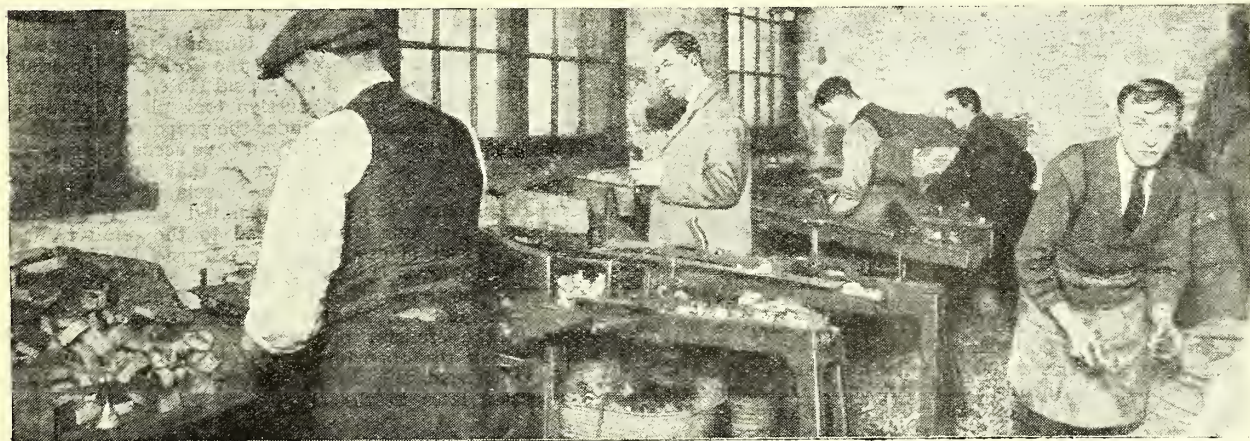
Rounding Machine (N. W. Mitchell & Snow, Ltd.)



Buffing Corks (N. W. Mitchell & Snow, Ltd.)



Boring Corks (N. W. Mitchell & Snow, Ltd.)



Row of Rounding Machines (C. Olley & Sons, Ltd.)

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council was held on June 19, in the Society's rooms, Belfast, the president (Mr. S. S. Badger) in the chair. There were present also:—Messrs. James Dundee (vice-president), J. C. Culbert, W. J. Hardy, Fred Storey, H. McRoberts, H. Todd, J. F. Grimes, Dr. Acheson and Dr. Fielden. Apologies for absence were read from Professor Small, Sir Thomas McMullan, Mr. W. B. Taylor and Mr. John Maxwell. Mr. D. L. Kirkpatrick (secretary) was in attendance.

SECTION 2 LICENCES

The Ministry of Home Affairs wrote regarding the licence which was granted to Mr. Patrick J. Lee, Ballywilly, Kilmore, Armagh, against which the Council had appealed. The letter stated that Mr. Lee had obtained nicotine and lead arsenate from a wholesale firm in England for use in his orchards, ordering at the same time and paying for a large quantity for several friends and neighbours, giving it to them at cost. The inspector pointed out to him this was entirely illegal, and told him he must obtain a licence to enable him to get rid of his stock. As the licence, though irregularly issued, was not a continuing one, the Minister considered it might be passed under the circumstances. It was agreed to withdraw the appeal against the licence.

The Ministry for Home Affairs wrote that they had disallowed the appeals made by the Society against licences issued by county councils under Section 2 of the Poisons and Pharmacy Act, 1908, for the sale of agricultural and horticultural poisons. [A list of fourteen persons, firms or companies in Antrim, one in Armagh, nine in Down, eight in Londonderry and six in Tyrone was appended.] The Minister had also decided to allow the Londonderry County Council to grant a licence to Mr. Joseph W. Semple, grocer, Dungiven, should he desire to obtain such. No action was taken.

EDUCATION COMMITTEE

It was resolved that the following, who submitted certificates, be granted the certificate of apprentice to a pharmaceutical chemist:—

William Francis McCurdy, Post Office House, Bushmills; Francis Joseph Morgan, Rainey Street, Magherafelt; John Joseph Farrelly 40 Thorndale Avenue, Belfast; Robert James McCotter, 125 University Street, Belfast; Seamus McPeake, 144 Cavendish Street, Belfast; Joseph Ritchie, 115 Crumlin Road, Belfast; Arthur Field Hastings, Newcastle, co. Down; William Dunn Magee, Windsor Hotel, Strabane; Edwin Wylie Mason, Ridgeway Park, Portadown; William John Beattie, 63 Ballyholme Road, Bangor; Thomas Birmingham, 104 Falls Road, Belfast; Margaret Mary McKenzie, Station House, Toomebridge; Herbert Joseph Henry McNeill, Annsboro', co. Down; Michael Rea, 43 Alexander Street West, Belfast; William Leonard Johnson Lloyd, 4 Rodney Street, Portrush; Patrick Hugh McMenamin, Darling Street, Enniskillen; William Sampson McKee, 58 Seacliffe Road, Bangor; Annie Eleanor Reade, 4 Excelsior, Portstewart; Joseph McClune Lewis, Benson Street, Lisburn; Annie McHugh, Balmoral House, Balmoral, Belfast; John Joseph Daly, Dobbin Street, Armagh.

Four nominations for membership were received, and accounts were passed.

Examination Results

The summer examinations of the Pharmaceutical Society of Northern Ireland commenced on June 22, and ended on June 26. There were eighty-five candidates in the various classes. The following candidates, having passed in all the necessary subjects, are recommended for the certificate of Pharmaceutical Chemist:—

Under Schedule 2, Part IV (Part II).—Final Qualifying Examination.—H. L. Phillips, J. L. Stirling.

The following candidates are referred in the subjects specified and may complete at one subsequent examination:—Chemistry, Elizabeth Fox; pharmacognosy, Margaret Coe, T. A. King, W. Powells, D. C. Sutherland; chemistry and pharmacognosy, S. N. Cowan, Frances R. Johnston, W. L. McDonnell, Eleanor D. Pratt.

In the examinations under Schedule 2, Parts I and II, the following candidates, having passed in all the necessary subjects, are recommended for the certificate of Pharmaceutical Chemist:—

Under Schedule 2, Part I.—Jean Cameron, D. M. B. Kelly, G. T. Weir.

Under Schedule 2, Part II.—H. Orr.

The following candidates are referred in the subject specified and may complete at a subsequent examination:—

Under Schedule 2, Part II.—Pharmacy, J. Cleary, A. McCagherty.

Association Meetings

Edinburgh.—The annual practical botany demonstration of the summer session of the Edinburgh Chemists', Assistants' and Apprentices' Association took place on June 19. Fresh plants representing thirty-four natural orders, eighty-two genera and ninety-six species had been systematically arranged, and were described by Mr. J. Rutherford Hill, Ph.C. On the motion of Mr. J. J. Blackie (president) a cordial vote of thanks was accorded to Mr. Hill.

London (S.W.).—At a meeting of the Council of the South-West London Chemists' Association and Branch of the Pharmaceutical Society, held on June 16, the following officers were elected for the ensuing year:—*President*, Mr. J. E. Monaghan; *Vice-Presidents*, Messrs. J. E. Jones and W. A. Shakerley; *Treasurer*, Mr. F. G. Wells; *General Secretary*, Mr. E. Neville Browne, 158 Wandle Road, Morden, Mitcham; *Social Secretary*, Mr. J. E. Jones; *Sports Secretary*, Mr. D. A. Rees; *Committee*, Miss A. T. Borrowman, Mrs. Freke, Miss J. Monaghan, Miss I. W. Muers, Messrs. W. K. Fitch, J. T. Hope-Evans, J. Inglis, T. James, C. H. Loxley, H. G. Tibbett and P. H. Woodnoth.

Manchester.—At a recent meeting of the council of the Manchester Pharmaceutical Association the following officers were appointed for the ensuing year:—*President*, Mr. David Dickson; *Vice-Presidents*, Mr. Edgar Stabler and Mr. J. S. Breese; *Treasurer*, Mr. W. I. Scholes; *Secretary*, Mr. T. Miller; *Social Secretary*, Mr. J. H. Franklin.

Waterford.—Waterford and Wexford members of the Dublin and Provincial Retail Drug Association entertained their president (Mr. Dwyer), their vice-president (Mr. Duggan), the president of the Pharmaceutical Society of Ireland (Mr. Denis J. Nugent), the vice-president (Dr. Ryan) and members of the Cork and Limerick Associations to luncheon at the Grand Hotel, Tramore, on June 11. After luncheon discussion took place regarding the position of pharmacists under the proposed new legislation. Mr. Nugent and Dr. Ryan gave accounts of what was being done by the Council of that Society. Mr. Dwyer and Mr. Duggan gave a summary of what the Association were doing, and pointed out the great advantages the Association offered to the retail trade. Mr. T. F. Bell (Waterford), Mr. Eugene MacSweeney (Cork), Mr. Widnes (Limerick) and Mr. Kirby expressed the thanks of those present to Mr. Nugent, Dr. Ryan, Mr. Dwyer and Mr. Duggan for the interest they had taken in the Munster pharmacists. In his reply, Mr. Nugent took the opportunity of bringing to the notice of those present the Society's Benevolent Fund. Tea was served later in the evening.

BARNSTAPLE CHAMBER OF COMMERCE has decided to hold a shopping week in August.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

28 Essex Street, W.C.2, July 2

INTEREST in the pharmaceutical chemicals market has centred round some important changes in values. Lactic acid, B.P., is again easier, and is now at very cheap prices; the Convention scale of prices for hydroquinone has been reduced; thymol and bromides are easier. Bismuth salts are dearer on the advance in metal. The seasonal acids, citric and tartaric remain weak markets. Business generally has been fair. In the markets dealing with crude drugs the position is of interest. There is certainly a better feeling and a more hopeful outlook, but so far business has remained rather quiet, and is mainly confined to bears covering; the consuming interests are not yet in very definite and general evidence. The tone, however, is much improved, and values are now generally steady as quoted, and may well be marked up in the event of a satisfactory settlement of the international debts question. The improvement in essential oils continues, and further recoveries from the recent very low levels are recorded. What is perhaps more important is the better tone in the market with buyers inclined to have a little confidence. Anise (star), bergamot, cassia, citronella, lemon and Japanese peppermint oils are marked up, and these, with the other items in this market, are steady to firm. In the industrial chemicals section a further cut in formaldehyde prices is noted, due to keen competition, otherwise conditions are about unchanged with business normal. In coal tar products, except for carbolic acid crystals, matters have been on the quiet side, but quoted values are maintained. A general movement of recovery in values is reported in the fixed oils group with business in these products rather better. Castor, coconut, cotton, palm, rape and soya oils are much improved markets.

Firmer		Easier
Agar-Agar	Lemon oil	Bromides
Anise (star) oil	Linseed oil	Formaldehyde
Balsam <i>Tolu</i>	Litharge	Gum acacia
Bergamot oil	Palm oil	Hydroquinone
Bismuth	Palm kernel oil	Lactic acid, B.P.
Bismuth salts	Pepper	Thymol
Cassia fistula	Peppermint oil	
Cassia oil	(Japanese)	
Castor oil	Pettigrain oil	
Citronella oil	Pimento	
Coconut	Pitch	
(desiccated)	Rape oil	
Coconut oil	Red lead	
Cotton oil	Rubber	
Ginger	Saffron	
Groundnut oil	Shellac	
Hydrastis	Soya oil	

Pharmaceutical Chemicals, etc.

A NUMBER of alterations in value are recorded this week. Bismuth salts have advanced; bromides are easier; hydroquinone, lactic acid and thymol are cheaper. Citric and tartaric acids and cream of tartar are still unsteady, although there seems to be more business moving. Business generally is fairly good on a small scale.

ACETANILIDE quiet, unchanged: B.P. crystals and powder, 1s. 4½d. to 1s. 6d. per lb., as to quantity.

ADIPIC ACID is steady: pure edible quality, in minimum one-cwt. lots, 1s. 3d. per lb., carriage paid.

ADRENALIN is quoted from 3s. to 3s. 3d. per gram, in tubes.

AMIDOL is steady, limited business: one cwt., 7s.; 56 lb., 7s. 3d.; 23 lb., 7s. 6d.; 14 lb., 7s. 9d. per lb., in 7-lb. tins.

AMIDOPYRIN is unchanged: business slow: crystals, five cwt., 12s. 9½d.; two cwt., 13s. 0½d.; less than two cwt., 13s. 3½d. per lb., with powder, 1½d. per lb. extra

AMMONIUM BENZOATE is steady at 3s. 4d. to 3s. 6d. per lb., as to quantity.

AMMONIUM ICHTHOSULPHONATE is steady: one cwt., 1s. 1½d.; in 14-lb. tins; 1s. 2½d. in 1-lb. tins; 1s. 4d. in 8-oz. tins, and 1s. 7½. per lb. in 4-oz. tins.

ASPIRIN continues in normal demand; market steady: Home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 23 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 1 lb., 3s. 4d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d. per lb., f.o.b.; less than one cwt., 2s. 9d. per lb., ex works.

ATROPINE SULPHATE is unchanged at 7s. to 7s. 3d. per lb., as to quantity.

BARBITONE is steady but rather dull: spot, one cwt., 7s. 3d.; smaller parcels, up to 7s. 9d. per lb.

BENZOIC ACID (B.P.) continues in fair demand on a keen market: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 1s. 10½d. per lb., ex store.

BISMUTH SALTS.—The Convention advise that prices for these products have been advanced from 2d. to 6d. per lb. The current scale of prices is as follows:—

	8 lbs. and under 28 lbs.	28 lbs. and under 1 cwt.	Not less than 1 cwt.
	Per lb. s. d.	Per lb. s. d.	Per lb. s. d.
Carbonate ..	8 6	8 0	7 9
Citrate ..	9 4	8 10	8 7
Nitrate cryst. ..	6 3	5 9	5 6
Oxide ..	11 6	11 0	10 9
Salicylate ..	8 8	8 2	7 11
Subchloride ..	11 2	10 8	10 5
Subgallate ..	8 6	8 0	7 9
Subnitrate ..	7 6	7 0	6 9

A rebate of 3d. per lb. will be allowed on sales of not less than 2 cwt. provided delivery is completed or paid for within three months. The previous alteration in prices took place on May 27, when an advance of from 3d. to 6d. per lb. was recorded. *Liquor Bismuthi B.P.*, in w.-quarts, 1s. 2½d.; 6 w.-quarts, 1s.; 12 w.-quarts, 10½d.; 36 w.-quarts, 10d. per lb.

BROMIDES.—The market is slightly easier this week, and competition continues keen: these prices would be shaded for bulk quantities: Ammonium, 1s. 6½d.; potassium, B.P. crystals, 1s. 3½d.; granular, 1s. 3¾d.; sodium, B.P., 1s. 5¾d. to 1s. 6d. per lb.

BUTYL CHLORAL HYDRATE is about steady; business limited: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CALCIUM LACTATE meets with fair business: spot, 1s. 1½d. to 1s. 3d. per lb., as to quantity.

CHLORAL HYDRATE is firm at makers' prices: duty-paid crystals, 2s. 11½d. to 3s. 1½d. per lb., as to quantity and packing; foreign, on spot, 3s. 3d. per lb.

CHLOROFORM is unchanged at makers' prices: in drums, 2s. 3d. to 2s. 6d.; winchesters, 2s. 3½d. to 2s. 6½d.; 2-lb. bottles, 2s. 4½d. to 2s. 7½d.; 1-lb. bottles, 2s. 5½d. to 2s. 8½d.; 8-oz. bottles, 2s. 6½d. to 2s. 9½d.; 4-oz. bottles, 2s. 8½d. to 2s. 11½d. per lb., for ten cwt. down to 56-lb. lots; carriage paid on minimum cwt. lots.

CITRATES continue steady with business fair: potassium citrate, B.P., 1s. 7d.; sodium citrate, B.P.C. 1923, 1s. 8d.; ferri ammon. cit. B.P. (brown), 1s. 9d. per lb., in 23-lb. lots; 7-lb. lots, 5d. per lb. dearer.

CITRIC ACID (B.P. crystals).—There is perhaps a little more inquiry about, but the market is easy and tends to weaken from the quoted figure of about 11d. per lb., less 5 per cent. for foreign on spot. Shipment offers are again easier. British makers quote 11½d. per lb., less 5 per cent. discount.

Arrangements have been completed for the sales distribution of about 350 tons a year of citric acid made from pineapple juice. The factory is situated in the Hawaiian Islands and is now operating to full capacity. This new source of citric acid is being marketed in the United States as the "Dole Brand, U.S.P." It is estimated that the output capacity of the Hawaiian plant will increase 20 per cent. each year for the next five years.

COCAINE is holding at agreed prices: hydrochloride, 25 oz., 20s. 11d.; 16 oz., 21s. 7d.; and less, 22s. 3d. per oz.; pure, 22s. 11d. up to 24s. 4d. per oz.; 1-oz. tins, 2½d. extra.

CREAM OF TARTAR shows a little more life, and the market is keeping up at about 78s. 6d. to 79s. per cwt., less 2½ per cent., for foreign on spot, carriage paid. British makers quote 99 to 100 per cent., 81s. per cwt., less 2½ per cent.

EPHEDRINE HYDROCHLORIDE continues at keen prices in the region of 8s. to 8s. 6d. per oz.: pure, 10s. 6d. to 11s. per oz., as to quantity.

ETHER (METHYLATED) is steady at makers' prices: s.g. 0.750, 1s. 1½d.; 0.735, 1s. 2d.; 0.730, 1s. 2d.; 0.725, 1s. 4d. per lb., in w.-quarts; 12 w.-quarts, halfpenny less, and packed in drums or carboys 1d. less.

HEXAMINE is in steady demand on a keen market: free running crystals, spot, from 1s. 9½d. to 1s. 10½d. per lb., and less for large contracts.

HYDROQUINONE.—Convention prices have been reduced, as follows:—Ten cwt., 3s. 3½d.; five cwt., 3s. 4½d.; two cwt., 3s. 5½d.; one cwt., 3s. 5¾d.; 56 lb., 3s. 6¾d.; 28 lb., 3s. 8¾d.; 14 lb., 3s. 10½d.; 7 lb., 4s. 0½d.; 1 lb., 4s. 7d. per lb., carriage paid. These prices operate from July 4.

IODINE is steady: one cwt., 19s. 3d. up to 19s. 9d. per lb. for 14-lb. parcels.

LACTIC ACID (B.P.).—Competition in this market has resulted in a further reduction in the scale of prices: one to 99 ks., 1s. 5d.; 100 to 499 ks., 1s. 4½d.; 500 to 999 ks., 1s. 4d.; 1,000 to 4,999 ks., 1s. 3½d.; and 5,000 ks. and over, 1s. 3d. per lb., in 50-ks. carboys, carriage paid.

MERCURIALS.—Makers' prices are steady: red oxide, 7s. 10d.; corrosive sublimate, lump, 6s. 7d.; pulv., 6s.; white precipitate, 6s. 9d.; calomel, 7s. 2d.; yellow oxide, 7s. 8d.; persulphate, 6s. 11d. per lb., in minimum cwt. lots; 1d. per lb. extra for small parcels.

METHYL SALICYLATE (B.P.) is steady at the revised scale recorded last week: one ton and over, 1s. 3d.; five cwt., 1s. 3½d.; one cwt., 1s. 3¾d., and less than one cwt., 1s. 4d. per lb.

METHYL SULPHONAL is steady on a quiet market: two cwt., 12s. 7d.; one cwt., 13s.; 56 lb., 13s. 5d.; small parcels, 13s. 7d.; per lb.

METOL continues in fair request: 28 lb., 6s. 6d.; 14 lb., 7s.; 7 lb., 7s. 9d. per lb., and slightly less for larger quantities.

MILK SUGAR is easy as quoted: one ton, 44s.; ten cwt., 45s.; two cwt., 46s. per cwt., in two-cwt. cases.

PARAFORMALDEHYDE is quoted at keen prices; business fair: 100 per cent. powder, quantities in kegs, 1s. 4d.; smaller parcels, up to 1s. 5½d. per lb.

PHENACETIN is steady at controlled prices: occasional cheaper offers: crystals, ten cwt., 3s. 8d.; five cwt., 3s. 9d.; two cwt., 3s. 9½d., and less 3s. 10½d. per lb., with powder 1½d. per lb. extra.

PHENAZONE.—Prices are discounted in isolated instances on spot: crystals, ten cwt., 6s. 11d.; five cwt., 7s. 0½d.; two cwt., 7s. 2d.; and less, 7s. 3½d. per lb., with powder 1½d. per lb. extra.

PHENOLPHTHALEIN is steady and quiet: ten cwt. 5s.; two cwt., 5s. 1d.; less than two cwt., 5s. 2½d. per lb. Export, ten cwt., 4s.; two cwt., 4s. 1½d.; less than two cwt., 4s. 2½d. per lb.

PHENYL ETHYL BARBITURIC ACID is unchanged: 56 lb., 52s. 3d.; less than 56 lb., 54s. 9d.; per lb.; bottles of one kilo and over free; same prices for sodium.

PIPERAZINE remains quiet and steady: one cwt., 26s. 10d.; 56 lb., 27s. 8½d.; 11 lb., 29s. 6d.; 2 lb., 30s. 4½d.; less, 31s. 3d. per lb., in 8-oz. bottles; 1-oz. bottles, 31s. 7d. to 35s. 11d. per lb.

PYROGALLIC ACID meets with fair demand: one cwt., 6s. 9d.; 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in 7-lb. tins.

RESORCIN is steady: business moving: spot, 2s. 9½d. to 2s. 11d. per lb., as to quantity.

ROCHELLE SALTS.—Makers' prices: five cwt. or over, in one delivery, 77s. 6d.; less than five cwt., 80s.; less than one cwt., 82s. 6d.; per cwt., carriage paid. Pulv. Seidlitz, five cwt., or over, in one delivery, 62s. 6d.; less than five cwt., 64s. 3d.; less than one cwt., 66s. 3d.; double, 68s. 9d., 71s. and 73s., carriage paid.

SALICYLIC ACID (B.P.) is firm at makers' prices: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL is about steady; business quiet: crystals, two cwt., 3s. 7½d.; one cwt., 3s. 9d.; 56 lb., 3s. 9½d.; smaller parcels, 3s. 10½d. per lb.; powder, 1½d. per lb. extra.

SODIUM BENZOATE (B.P.) is moving fairly well on a keen market: one ton, 1s. 6½d. up to 1s. 7½d. per lb. for small parcels.

SODIUM SALICYLATE (B.P.) is in moderate demand, with home makers doing the business: home trade, powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five

cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; 14 lb., 2s. 3d.; 7 lb., 2s. 4d.; 1 lb., 2s. 5d.; per lb., with crystals 1d. per lb. extra.

SULPHONAL is dull: crystals, 10s. 1d. to 11s. 2d. per lb., as to quantity, with powder, 1½d. extra.

TARTARIC ACID (B.P. crystals).—The market is still unsteady although there is a little more business about: foreign material on spot is about 10½d. to 10¾d. per lb., less 5 per cent., ex wharf. British makers quote 11½d. per lb., less 5 per cent. discount.

THEOBROMINE is unchanged and quiet: pure alkaloid, 6s. 10d. to 6s. 11d.; sodium salicylate, 5s. 3d. to 5s. 4d.; per lb., as to quantity.

THYMOL is easier and remains dull: synthetic fine white, one cwt., 6s.; 56 lb., 6s. 1d.; 28 lb., 6s. 3d.; 14 lb., 6s. 4½d. per lb.; ex ajowan seed, one cwt., 6s. 9d.; 56 lb., 6s. 10½d.; 28 lb., 7s.; 14 lb., 7s. 3d. per lb.

VANILLIN.—Most of the cheaper parcels appear to have been cleared off the market, and the controlled prices are beginning to operate: ex guaiacol, one ton, 13s.; ten cwt., 13s. 3d.; five cwt., 13s. 6d.; three cwt., 13s. 9d.; one cwt., 14s.; 56 lb., 14s. 3d.; 28 lb., 14s. 6d.; 14 lb., 14s. 9d.; less, 15s. per lb.; ex clove oil, 14s. 6d. to 16s. 6d. per lb., as to quantity, from one ton to less than 14 lb.

Crude Drugs, etc.

ACONITE ROOT is steady on spot at from 75s., with shipment offers at 70s.

AGAR-AGAR shows a further advance with the market holding steady: Kobe No. 1, 4s. 1½d. spot; 4s. 1½d. c.i.f. No. 2, 3s. 10½d. spot; 3s. 9¾d. c.i.f. Yokohama, No. 1, 3s. 10d. spot; 3s. 9½d. c.i.f.

ANTIMONY.—The market is steadier: Chinese crude, spot, £19; shipment, £13 c.i.f.; Chinese white oxide, spot, £25 10s.; shipment, £20 c.i.f.

BALSAMS.—The shipment market for *Tolu* is much dearer at 2s. 4½d. c.i.f.

BELLADONNA is steadier although still rather quiet; leaves, on spot, about 60s.

BISMUTH.—Price of the metal is now at the higher figure of 6s. 6d. per lb.

CAMPHOR.—The market has been mostly dull with values about unchanged: slabs, 2s. 1d. spot; shipment, July-August, 1s. 11d. c.i.f.; flowers, 2s. 2d. spot and 1s. 11½d. c.i.f.; tablets, spot, 2s. 6d.; c.i.f., 2s. 5d.

CARDAMOMS.—Little more enquiry: bold Ceylon Mysore, 5s. 9d. to 6s.; mediums, 4s. to 4s. 3d.; small mediums, 2s. 9d. to 3s.; smalls, 2s. 3d. to 2s. 6d.; green, 1s. 10d., and shipment, 1s. 7d. c.i.f. Bombay seeds, 3s. per lb., spot.

CASCARA SAGRADA.—It is reported that heavy rains have severely injured the crop: shipment is now mentioned at 37s. 6d. to 38s. c.i.f.

CASSIA FISTULA.—There is an acute shortage on spot with the price close up to 30s.; limited supplies are available on the Continent at about 27s. c.i.f.

CLOVES.—The market has been on the quiet side, and values are barely maintained: Zanzibar, spot, 9d.; August-October, buyers, 6¾d. c.i.f.; Madagascar, spot, 8½d.

The landings of Zanzibar in London during the week ended June 27 were 83 and the deliveries 177, leaving a stock of 495, against 1,376 in 1930 and 1,663 bales in 1929. From January 1 to date, landings of Zanzibar have been 954, against 5,873 in 1930, and the deliveries 1,478, against 4,494 in 1930. Landings of Madagascar for the week ended June 27 were *nil* and the deliveries 62, leaving a stock of 1,350, against 3,177 in 1930 and 530 bales in 1929. Landings of Madagascar this year to date have been 2,085, against 4,574 in 1930, and the deliveries 1,641, against 1,410 in 1930.

COCOA BUTTER.—The market is steadier: English, prime, 9d. to 9½d. per lb.; Van Houten's A, 10d. per lb., in minimum one-ton lots.

COCONUT (DESICCATED) has recovered some of the recent decline and closes very steady: spot, fine and medium, 19s. 6d.; shipment, July-August, 18s. buyers, c.i.f.

COD-LIVER OIL.—The fishing has now finished. Total catch of cod, 40,100,000 against 61,600,000 in 1930 and 78,600,000 in 1929. Total production of medicinal oil this year, 58,950 hectol. against 78,338 in 1930 and 91,604 hectol. in 1929. Up to date, 37,000 hectol. have been exported. The market, although rather quiet, is firm, and shippers are not anxious to contract forward at present values. Quotations for finest non-freezing Lofoten oil, fully 113s. per barrel, c.i.f.; spot, minimum five-barrel lots, 115s. 6d. per barrel. Some brands may be slightly cheaper.

GELATIN.—Market steady but quiet: gold leaf, 2s. 1d.; silver leaf, 1s. 8d.; bronze leaf, 1s. 5d. per lb., in cwt. cases.

GINGER is dearer on the week, closing very steady: on spot, West African, 24s. 6d.; for arrival, sellers, 23s. 6d. c.i.f.

GRAINS OF PARADISE meet with a fair business, with spot steady at 6½d. to 7d.

GUM ACACIA.—The market has again been dull and values have been marked down sixpence to one shilling: Kordofan, cleaned, 39s. to 41s. 6d.; bleached, 104s. to 108s. spot.

The exports of all descriptions from the Sudan during January-May 1931 amounted to 11,751 tons, against 11,288 tons for same period of 1930. The imports to Great Britain were 3,054 tons, or 641 tons more than in the corresponding period of 1930.

HYDRASTIS is slightly dearer at 6s. 4d. to 6s. 6d. on spot, and for shipment, 6s., c.i.f.

MENTHOL.—The market is well held as quoted: K/S brands, fully 13s. 6d., spot; July-August, 13s. 3d., c.i.f.

MERCURY.—The controlled price for Spanish-Italian continues steady at £16 15s. per bottle f.o.b.: spot is about £17 per bottle for fair quantities.

U.S. imports of mercury during period January-April 1931 totalled 15,645 lb., valued at \$21,229, against 120,145 lb. (\$161,528) during same period of 1930.

PEPPER.—After easing off early on, the market has recovered, and closes steady at about level rates on the week: Lampong, spot, 5½d.; May-July, 5½d.; August-October, 5½d. paid, c.i.f.; Tellicherry, spot, 6d.; Aleppy, spot, 5½d.; June-July, 5½s. c.i.f.; White Muntok, spot dearer at 8½d.; May-July, 7½d.; August-October, 7½d. c.i.f.

PIMENTO is much steadier, and prices show a recovery; spot, 3d.; July-August, 24s. 9d. c.i.f.

1930 crop was estimated at 9,000,000 lb. Stocks on hand in Jamaica at end of 1930 estimated at 5,500,000 lb.

RHUBARB.—Some business is reported with Canton, high dried, rough round selling at 1s. 2d. to 1s. 2½d. spot; shipment is at 1s. 2½d. c.i.f.

RUBBER.—Values show a slight recovery on the week: the market has experienced spasmodic bursts of business, closing quiet and rather unsettled: No. 1 standard ribbed smoked sheet, sellers, spot, 3½d.; July, 3½d.; August, 3½d.; September, 3½d.; October-December, 3½d. U.K. stocks, 136,527 tons against 107,192 tons a year ago.

SAFFRON.—Prices quoted on spot show further advances: prime B.P., 43s. to 43s. 6d.; extra B.P., 40s. 6d. to 41s.; super B.P., 38s. to 38s. 6d. per lb.

SEEDS.—**ANISE.**—Spanish, 47s. 6d.; Bulgarian, 32s. 6d.; Russian, 30s. per cwt., spot. Canary is cheaper. Mazagan, 20s.; Tangier, 19s.; and Kenitra 17s., spot. **LINSEED.**—Mazagan, 17s. Morocco, 16s., spot. **CORIANDERS**, shipment, 10s. c.i.f., no business passing; sellers on spot at 9s. **CUMIN.**—Malta, 52s. 6d.; Morocco, 47s. 6d., spot. **PENUGREEK.**—Morocco old crop, 16s. 6d.; new crop, 14s. 6d. **CARAWAY.**—Dutch, spot, at 26s. 6d. per cwt. **MUSTARD.**—English, 23s. 6d. to 32s. per cwt., according to quality.

SENEGA.—This market is still at very low levels with the shipment quotation irregular in the region of 1s. 10½d. to 1s. 11d. per lb., c.i.f. Spot value is about 2s. to 2s. 1½d.

SENNA PODS.—There has been a steady enquiry for best grades of Alexandrian hand-picked pods, and supplies are limited: prices, which are steady, are unchanged; Alexandrian, finest selected, 5s. 6d.; seconds, 3s. 6d.; mediums, 1s. 9d. to 2s.; ordinary manufacturing, 4½d. to 5d. per lb., as to quality.

SHELLAO.—The market shows an advance but has been quiet: TN standard orange, 75s.; fine orange, 85s. to 160s.; pure button, 95s.; for delivery, TN sellers, August, 69s.; October, 71s.; December, 71s. 6d.; for arrival, TN sellers, July-August, 63s. 6d. c.i.f.

STRAMONIUM LEAVES are in fair demand with good green Hungarian at 40s. to 42s., spot.

TRAGACANTH.—The market is steady with supplies of medium to fine grades limited and at from £18 to £30 per ton; business continues on a fair scale.

WAX (VARIOUS).—These markets have remained quiet with quoted values slightly easier for some products: JAPANESE, on spot, 44s. per cwt.; CARNAUBA, fatty grey and chalky grey, 72s. 6d.; medium yellow, 140s.; fine yellow, 175s. per cwt., spot; CANDEILLA is easier at 65s. per cwt.; SPERMACEI, 9½d. per lb., spot; PARAFFIN, 17s. 6d. to 27s. 6d. per cwt., as to melting point; CERESINE, 35s. to 80s. per cwt., as to colour and melting point; BEES, bleached, discs, £7 2s. 6d.; slabs, £7; yellow, refined, £6 5s.; crude yellow, £5 5s. per cwt., spot.

Essential Oils

THE improved tone in this market recorded during the past two weeks is well maintained, and further recoveries in values are noted this week. There is a much better feeling throughout the market, and business is a little more in evidence. Anise (star), bergamot, cassia, citronella, lemon and Japanese peppermint oils are all very steady to firm, and at higher rates with a little more interest shown.

ALMOND remains quiet: spot, foreign, (s.a.p.), about 6s. 9d. per lb.

ANISE (STAR).—Further slight advances are recorded this week with the market holding steady: "Red Ship," in leads, 2s. 2d. to 2s. 3d.; in tins, 2s. to 2s. 0½d.; in drums, 1s. 11d.; for shipment, in leads, 1s. 9½d.; in drums, 1s. 7d.; in tins, 1s. 8½d., c.i.f.

BERGAMOT.—This market is now firm as quoted with a distinct tendency to further movements towards economic values. It is understood there is a possibility of a control being introduced, the matter being now under consideration in Italy. Spot, 38 to 40 per cent., 7s. 6d. to 7s. 9d.; shipment, 7s. 4d. to 7s. 6d. c.i.f. The lower price is reported to have been rejected when cabled as a bid.

BOIS DE ROSE is steady on spot with Cayenne at about 3s. 6d. per lb.

CAJUPUT is very steady on spot at 2s. 2d. to 2s. 3d. per lb.: the shipment quotation is a point dearer at 1s. 8d. per lb., c.i.f.

CARAWAY is steadier with Dutch double-distilled on spot at 6s. per lb.; crude, 5s. 7d.

CASSIA is dearer and now steady as quoted on spot, with oil passing B.P. at 3s. 3d. per lb.: shipment quotations are much firmer at 3s. 1d. c.i.f.

CINNAMON LEAF is steady: spot, 3s. 6d.; forward, about 2s. 8d. c.i.f.

CITRONELLA shows an advance, and the market is firm and fairly busy: Java, spot, 2s. 3d. to 2s. 4d.; shipment, 2s. 1½d. to 2s. 2d. per lb.; Ceylon, 1s. 9½d.; forward, 1s. 5½d. to 1s. 6d. c.i.f.

CORIANDER is meeting with a better sale, with spot about 12s. per lb.

EUCALYPTUS is steadier: spot, 70 to 75 per cent., 1s. to 1s. 1d.; 80 to 85 per cent., 1s. 2d. to 1s. 3d. per lb.; business has been much better.

GERANIUM is about unchanged and steady: Bourbon, spot, 15s. to 15s. 3d.; shipment, 13s. 9d. c.i.f.; African, spot, 16s. 6d. to 16s. 9d.; shipment, 15s. 6d. to 15s. 9d. c.i.f.

JUNIPER BERRY (B.P.) is unchanged as quoted on spot in the region of 5s. per lb.

LAVERNE.—The market is steady and level on the week: French, 38 to 40 per cent., 8s. 6d. to 8s. 9d.; shipment, 8s. 4d., c.i.f.; 36 to 38 per cent., 8s. to 8s. 3d. per lb., c.i.f.

LEMON.—The market shows further appreciation in values, and the tone is firm with business moving: Sicilian hand-pressed, spot, 3s. 6d. to 3s. 8d.; shipment, 3s. 6d. c.i.f.; machine-made spot, 2s. 10d. to 2s. 11d.; shipment, 2s. 8d. c.i.f. Californian is tending to advance from 2s. spot, in drums.

LEMONGRASS is steady and fairly active: spot, 2s. 1d. to 2s. 2d.; shipment, 1s. 8d. to 1s. 9d. per lb., c.i.f.

LIME is scarce on spot: genuine double-distilled, from 40s.; hand-pressed, from 50s.

ORANGE.—The market is firm and unchanged, but further advances are not unlikely: Sicilian, spot, from 7s. per lb., with the shipment offer at fully 6s. 9d. c.i.f.

PALMAROSA is quiet but steady: spot, 8s. 3d.; shipment, 7s. 8d. per lb., c.i.f.

PATCHOULI is about steady as quoted at 13s. spot.

PEPPERMINT.—There has been a good business on spot, and stocks are said to be running low: the market, as quoted, is firm; Japanese dementholised, spot, sellers, 4s. 7½d.; July-August, 4s. 4½d.; October-December, 4s. 3d. American, spot, is firmer, 7s. 4d. to 8s. spot, in tins, as to brand.

Exports of domestic oil from America during period January-April totalled 73,543 lb., valued at \$152,630, against 77,271 lb. (\$204,274) during same period of 1930.

PETITGRAIN is dearer at 4s. 3d. on spot.

ROSE.—The market continues rather easy at the lower figures reported last week: own distilled, about 54s. to 56s. per oz.; green seal, 38s. to 39s., July delivery.

SASSAFRAS is unchanged: spot, 4s. 4d. to 4s. 10d per lb., as to origin.

The following arrivals have taken place from the countries indicated during the period June 23 to 30 inclusive:—Almond (Fr.) 2 cs.; bergamot (It.) 36 cs.; caraway (Nthlnds) 2 cs.; cedarwood (U.S.) 11 cs.; chaulmoogra (Indl.) 4 cs.; eucalyptus (Austl.) 3 cs.; 4 dms.; geranium (Nthlnds.) 2 cs.; juniper berry (Gy.) 1 cs.; lemon (Sp.) 83 cs., (It.) 29 cs.; orange (U.S.) 5 dms., (Nthlnds.) 1 cs.; peppermint (U.S.) 22 cs.; spearmint (U.S.) 3 cs.; spike (Sp.) 2 cs.; tangerine (Sp.) 14 cs.; various (It.) 16 cs., (Fr.) 16 cs., (Sp.) 3 dms., (Nthlnds.) 2 cs., (U.S.) 7 cs.

Fixed Oils, etc.

A CONSIDERABLE improvement in the tone and sharp recoveries in values are recorded for most products in this section, with the markets much steadier and business moving on a good scale. ACID OILS are dearer and steady; coconut and/or palm kernel, 21s. 6d.; groundnut, 15s. 6d.; soya, 14s.; spot. CASTOR.—The market is much steadier and values have recovered: pharmaceutical, 40s.; first pressings, 36s.; second pressings, 33s. (barrels), cases £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Madras, 31s. 6d. (barrels), c.i.f.; Bombay, 30s. 6d. (drums), c.i.f. COCONUT is dearer and now steady with business moving: deodorised, 29s. 3d. (barrels); spot, Ceylon, 20s. (drums), c.i.f. COTTON shows a sharp recovery and the market is firm: deodorised, 28s.; common edible, 25s. 6d.; soapmaking, 24s. 6d.; crude, 23s. 9d. (barrels), spot. GROUNDNUT is at better prices, and the market is steadier: deodorised, 28s. 9d. (barrels), spot; crude Oriental, 25s. 6d. (drums), c.i.f. LANSSEED (raw, naked).—Values show a slight appreciation on the week, but the market is irregular and rather dull: on spot, 17s. 7½d.; July, 17s.; August, 17s.; September-December, 17s. 7½d. OLIVE is about unchanged and rather steadier: edible, 4s. 10d.; B.P., 3s. 11d.; per gallon, in 40-gallon barrels, PALM KERNEL has recovered and is now steady: deodorised, 26s. 3d.; crude, 24s. spot. PALM.—A sharp and considerable recovery from recent extremely low levels is recorded, and the market is firmer: Lagos, 18s.; softs, 17s.; mediums, 17s. 9d.; hards, 17s. 6d.; bleached, 22s., spot. RAPE is at improved values, and the market is steadier: refined, 31s. 6d.; crude, 29s., spot. SOYA.—Values have recovered, and the market is steadier: deodorised, 26s.; crude, 20s. 9d. spot. RESIN is about unchanged and rather quiet: American, B, 11s. 9d.; D, 12s. 3d.; F/G, 13s. 6d.; N, 16s. 9d.; WG, 18s. 9d.; WW, 21s. 6d. ex wharf. TURPENTINE.—The market has been mostly quiet; values are unchanged on the week: total London stocks, 22,581 barrels. On spot, 47s.; July-December, 47s. 3d.

Industrial Chemicals, etc.

A STEADY flow of limited sized business continues in this market with prices quoted generally unchanged. Formaldehyde is again cheaper owing to severe competition. ACETIC ACID is steady; business fair: 80 per cent., technical, £36 5s.; 80 per cent. pure, £37 5s. per ton, in barrels: glacial, pharmaceutical, 99 to 100 per cent., £58 in glass demijohns; glacial, in barrels, £47 per ton, carriage paid in U.K. ACETONE, B.G.S., is in moderate demand; market is keen: £60 to £62 10s. per ton, in drums, carriage paid in U.K., less for large quantities. AMMONIA (ANHYDROUS) is a fairly active market: quoted at 9d. to 1s. per lb. for 99.95 per cent. material, in loaned drums, carriage paid, and less for important contracts. AMMONIUM CHLORIDE is unchanged and dull: grey galvanising, £21 7s. 6d. per ton, in casks, ex store; slightly less for contracts. ARSENIC.—American offers of Mexican are down to £16 10s. c.i.f.: Belgian is quoted at £16 15s. c.i.f. London. Cornish white powdered is nominal at £29 10s. per ton, f.o.r. mines. BLEACHING POWDER is steady at makers' price: 35 to 37 per cent. chlorine, £7 per ton, carriage paid in four-ton lots. FORMALDEHYDE is very competitive, and is again slightly cheaper: 40 per cent., by volume, £26 5s. to £26 15s. per ton in casks, ex store; lower prices for big quantities. ISOPROPYL ALCOHOL continues in fair demand; market steady: first quality, ex acetone, 10s. to 10s. 6d. per gallon, in drums, carriage paid; ex "cracked petroleum" qualities, 6s. 6d. to 8s. 6d. per gallon. LEAD PRODUCTS.—Convention prices for red lead have been advanced £1 per ton; English, five to ten cwt., £27 10s.; ten cwt. to one ton, £27 5s.; one to two tons, £27; two to five tons, £26 10s.; five to twenty tons, £26; 20 to 100 tons, £25 10s.; over 100 tons, £25 per ton, less 2½ per cent., carriage paid. Continental material, £1 per ton cheaper; non-setting red lead is 10s. dearer in each case. LITHOPONE is steady on a quiet market: 30 per cent. Continental red seal, £18 10s.

per ton, ex store; forward, £13 18s. per ton, c.i.f., less rebate of £2 per ton. OXALIC ACID has been very quiet: quantities, £33 15s.; cwt. lots, 34s. 6d. ex store. POTASSIUM CARBONATE is about steady but business is slow: 90 to 92 per cent., £22 12s. 6d. per ton; 96 to 98 per cent., £25 per ton, in casks, ex store; lower prices for contracts. POTASH CAUSTIC, 88 to 92 per cent., solid, shows no further change, with Convention rates steady: some outside competition: contracts for five tons, £25 2s. 6d. per ton, in drums, c.i.f.; spot, under one ton, £23 5s.; one to five tons, £27 5s.; five tons and over, £26 5s. per ton, in drums, ex store. POTASSIUM CHLORATE is steady but dull: quantities, minimum one ton, £27 10s. per ton; small quantities, 3½d. per lb., ex store. POTASSIUM PERMANGANATE is unchanged; business quiet: commercial quality, in two-cwt. drums, 4½d. per lb., ex store. POTASSIUM PRUSSATE is steady at dealers' prices and business is fair: yellow, in quantities, £63 10s. to £65 10s. per ton; single casks, 7d.; small parcels, 7½d. per lb., ex store. SAL-AMMONIAC is moving in limited quantities on a steady market: dog-tooth crystals, £32; medium, £28; fine white crystals, £17 2s. 6d. per ton, in casks, ex store; slightly less for contracts. SALTCAKE is firm and active at 57s. 6d. per ton, in minimum truck lots, in bulk, carriage paid. SODIUM ACETATE is dull and irregular: spot, £17 10s. per ton, in casks, ex store. SODA CRYSTALS (CARBONATE) is steady at makers' prices for home trade: £5 5s. per ton, in bags, carriage paid. SODIUM BICARBONATE is quoted by home makers at £10 10s. per ton for refined, in bags, carriage paid. SODIUM CHLORATE is steady but very quiet: quantities, £26 5s. per ton; small parcels, from 3d. per lb., ex store. SODIUM HYPOSULPHITE is easy as quoted; a fair business is being done: dealers quote pea crystals, in one-cwt. kegs, £15 per ton; commercial quality, £9 2s. 6d., in casks, ex store; makers' price for pure crystals to home consumers on contract, £15 per ton, carriage paid to buyer's works. SODIUM PRUSSATE is steady, but dealers are finding business quiet: quantities, 4½d. to 5d. per lb.; smaller parcels, up to 5½d. per lb., ex store. ZINC OXIDE is unsteady and dull: white seal, £35 per ton, carriage paid.

Coal Tar Products, etc.

THE general tone is steady in this section with carbolic acid crystals a bright feature. BENZOL steady, business normal: Standard motor 90's, 1s. 4½d. per gallon, in tank wagons, ex works; pure, 1s. 6d. per gallon. CARBOLIC ACID CRYSTALS (39° to 40° C.) have been in very fair demand: 100 tons, 5d.; 50 tons, 5½d.; 20 to 25 tons, 5½d.; 10 tons, 5½d.; five tons, 5½d.; two tons, 5½d.; one ton, 5½d.; 10 cwt., 6d.; smaller lots, 6½d. to 6½d. per lb. in drums with over-casks, carriage paid or f.o.b.; crude carbolic 60s, 1s. 2d. to 1s. 3d. per gallon, naked at works. CRESYLIC ACID.—The market has been rather quieter but is keeping steady: Pale 98 to 100 per cent., 1s. 6d. to 1s. 7d.; dark 95 per cent., 1s. 5d.; special qualities, 2s. 1d. to 2s. 2d. per gallon, ex works. American duty-free acid, 1s. 6d. to 1s. 7d. per gallon, f.o.b. CREOSOTE OIL is about steady: demand limited; quoted from 4d. to 5d. per gallon, as to quantity and district. Pitch meets with inquiry for next season: prices have advanced to 45s. to 47s. 6d. per ton, f.o.b. East Coast.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1931, p. 345.

(From "The Trade Marks Journal," June 17, 1931.)

"SHAH JOSS BRAND" with design of snake charmer and words "Genuine Indian Joss Sticks," etc.; for Indian joss-sticks for disinfectants, etc. (2). By S. Z. Shah, 9 Princess Street, Cavendish Square, London, W.1. 522,302.

"UNIOORN BRAND" with head of Unicorn and letters "J. F. & S."; for chemicals, etc. (2). By J. Foulger & Sons, Ltd., 27 Clement's Lane, London, E.C.4. 497,505.

"LION"; for cattle-branding preparations. (2). By Reckitt & Sons, Ltd., Kingston Starch Works, Danson Lane, Hull. 522,390.

"TALLY-HO"; for insecticide powder (2). By Edinburgh Hygienic Co., Ltd., 3 Canon Lane, Canonmills, Edinburgh. 522,972.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

The Chemist and the Community

SIR,—“Lex” (*C. & D.*, June 20, p. 732) quotes a case in which he refused to sell cyanide to a man who afterwards committed suicide by some other means. This is another reminder that the person with criminal intent, whether to his own person or to others, will always find means of carrying it into effect in spite of all the poisons laws. In the case in question “Lex” had a legal right to supply his customer on signature, and would then, no doubt, have had all the unpleasantness and publicity of an inquiry. We read opinions, like the one quoted in the letter, that the housewife should be enabled to buy poisonous disinfectants at the ordinary shops where she does her daily shopping. Would the safeguards proposed in the Bill render the poisons less fatal because they were purchased at a grocer's instead of at a chemist's?—Yours truly,

VENDOR (30/6).

An Appreciation

SIR,—The Special Issue of the *C. & D.* this year is as good as ever, and it is not fulsome to congratulate Editor and Publisher for furnishing world pharmacy with a weekly issue of such wide and really intelligent interest. I have a weakness for good printing—a cult fostered from the days of apprenticeship, when I was located near a country printer, who was an artist in letterpress blocks; even the prosaic sale bill was always a study in type and form. Comment cannot furnish an adequate idea of the features of your latest Special Issue; but it may not be invidious if one or two features are singled out. I like the cover front page—what a contrast in this picture to the frontage as I knew it forty years ago, when I wandered down Essex Street and pondered over its history! Historic medicine and pharmacy has its good share of space. May this always be so: for any science shorn of its past is so much the poorer. The dip into Tudor times gives an indication of the commercial and other drugs used for personal and domestic purposes, again an instance of the utility of historic continuity and the faculty to exploit such knowledge in its widest sense. But amidst the wealth of good things in this Special Issue your readers will no doubt browse upon all or any of the features which interest them.—Yours, etc.,

FRANK ENGLISH (30/6).

Upper-Story Displays

SIR,—Referring to the note on “Upper-story Displays” in the *C. & D.* Commercial Compendium, I should think it is doubtful whether it would prove a very effectual method for a chemist to adopt, principally because the goods which he sells are mostly small articles, and really only suitable for display on the eye level, where they can be seen and examined. An upper-story display could be made of large-sized showcards or posters, which would be plainly visible from the tops of public service vehicles or to passers-by on the other side of the street; but I do not think that such a display would add either to the appearance or to the prestige of the pharmacy. So far as the advertising value is concerned, there are so many of these posters exhibited now at every street corner and in every railway station and public place that, unless they are particularly striking, the majority of the public see them so frequently, that, paradoxically, they do not see them at all. On the Continent in some places the basement floor is used for a lower display window, which people can look down on from the street. Although such an adaptation doubles the actual window space I cannot say that I am impressed with the idea.—Faithfully yours,

REZ-DE-CHAUSSEE (23/6).

Pharmacy and Poisons Bill

SIR,—As a local correspondent, it has been my duty to interview fellow chemists on the subject of the Pharmacy and Poisons Bill. Some of the expressions used by my friends with regard to the policy pursued by the Pharmaceutical Society's Council I should hesitate to put into cold print. Opinion is not lacking that the Society has done its best to “get away” with the Bill; some think at the beck of councillors who have wholesale interests, or who see inspectorship jobs in the mirage that is pharmacy. A particular grievance was the lack of co-ordinative evidence adduced by the pharmaceutical representatives. One gentleman, apparently representing the Society, agreed with the provisions of the Bill *in toto*! Another, representing the Retail Pharmacists' Union, agreed and disagreed. The third (and he might be placed as representing pharmacists' opinion in general) disagreed. The Society recommends one thing, the Union condemns the suggestion. And yet—ample time (a matter of years) was allowed for discussion (in secret—that's the rub). The amendments now proposed are a sorry show. It seems futile to argue the matter further: the position is so obvious. Pharmacy must demand what is due to it, or be submerged altogether. Even if the “very reasonable demands” of the Society to be tacked on to this Bill of sorts are to be conceded, acceptance must be coupled with the demand for an impartial commission of inquiry on the practice of pharmacy in the immediate future.—Yours, etc.,

LOCAL CORRESPONDENT (24/6).

Chemists' Charges

SIR,—I feel that I must add a further reply to “The Thistle” (*C. & D.*, June 20, p. 731). Does he remember a case under the Profiteering Act in which it was decided that a dispensing fee was not a proper charge in addition to a percentage on the ingredients, and therefore came under the heading of excess profit? I remember distinctly the indignation it caused among pharmacists. If this same attitude were to be adopted under the working of the Consumers' Council Bill when passed into law, it would mean charging for the drugs only, or else pricing prescriptions on the principle of the N.H.I.—no profit on drugs. In either case the prospects of increasing our remuneration to a professional scale do not appear rosy. From his signature I gather that “The Thistle” is in business in the North, and it may be possible that he is not quite conversant with the difficulties of those of us who are situated in and around the Metropolis. Competition is so keen, and co-operation among chemists so small, that it is a constant source of worry to meet the prices and yet to maintain a reasonable profit. The public buys at the cheapest shop; the question of the qualification of the seller does not arise, and with the continuous spread of the branded packets of drugs all that the retailer has to do is to hand them over. Practically all the doctors do their own dispensing and frequently supply sundries as well, so that beyond the N.H.I., scripts are not very numerous, and many of them when they have been dispensed before have been charged at a rate which cannot be remunerative. In some of the southern towns the system of pricing the script by the first dispenser with a private mark has been adopted, and I understand that it works fairly well; but here again the conditions are not quite the same as with us, and if we were to adopt this system it would merely be a guide to the next pharmacy to charge something lower. If uniformity could be achieved, I would be one of the first to welcome and to help towards a better remuneration.

Faithfully yours,

ROSA (29/6).

Legal Queries

D. M. M. (6/6).—The inclusion of the words "wheezing and coughs in children" on the label for Oil of Almonds and Syrup of Violets renders the article liable to medicine-stamp duty.

J. M. G. (10/6).—In the circumstances the sale of scheduled poisons would undoubtedly come within the definition of "supplying poisons by wholesale to retail dealers in the ordinary course of wholesale dealing." On the other hand, it would be an offence for the firm to sell their stock of "dangerous" drugs without being in possession of a licence from the Home Office.

W. P. (23/4).—Since there are no reciprocal arrangements between the Pharmaceutical Society of Great Britain and the Pharmaceutical Society of Ireland regarding registration of the certificates of qualification issued by either Society, it follows that the certificate of the Pharmaceutical Society of Ireland is not accepted for registration by the Pharmaceutical Society of Great Britain.

J. W. S. (8/6) bought a business six years ago which was carried on under the style of Brown & Son, Brown being the name of the vendor. "J. W. S." now finds that the vendor is using notepaper with the heading Brown & Son, and an address in the same town, in order to buy goods wholesale. Has "J. W. S." a right of action against the vendor for an injunction and damages? [In our opinion, unless the contract of sale expressly debars the vendor from using the name he previously traded under, he cannot be prevented from doing so, nor is he liable to pay damages for so doing. We do not consider that the sale of the goodwill, by itself, confers upon "J. W. S." the exclusive right to the name Brown & Son. The only grounds upon which, in our view, there would be a right of action against the vendor would be if he were to solicit the customers of the business he had sold, or were to represent his business as being the same as that sold.]

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Grease Spots

To remove grease spots from carpets, in place of the old plan of blotting paper and warm iron, two suggestions have been made: (1) A solution of borax and soap in hot water, and (2) a paste of Fuller's earth and magnesia subsequently cleaned off with warm water.

—*Abel Scholar* (26/6).

Mosquito Bites

When I was engaged in a pharmacy in a climate where mosquitos were far more plentiful and decidedly more hungry than they are here, we used to pack a solution of mag. sulph. with about mij. of oil of citronella to the 3j. , suspended by tragacanth, as a preventive, and it was fairly effectual. As a lotion for reducing the inflammation caused by the bites we found that a calamine lotion gave the best results where there were no actually septic conditions.—*Mosheet* (30/6).

Cheap Liquid Paraffin

"Competition" complained that the chain-stores were selling an 8-oz. bottle of liquid paraffin for $10\frac{1}{2}\text{d.}$ I suggested that he should bottle the liquid paraffin for himself, which he can do for 6d. a bottle, as follows:—

One gallon liquid paraffin	...	...	s. d.
20 x 8 oz. bottles at 15s. per gross	...	...	7 0
Corks at 2s. per gross	...	...	2 1
Labels (which I print myself) at 8s. per 1,000	...	...	0 4
			0 2
			9 7

This works out at 5s. 9d. per dozen.—*Stick at Nothing* (23/6)

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

A. R. (16/1).—**RUBBING BOTTLE.**—It is not practicable to make a systematic analysis of this. It appears to conform fairly well to the following formula:—Linseed oil, 4 oz.; oil of turpentine, 2 oz.; wood tar, a little to colour and give characteristic odour. The sample yields a little ash containing iron, zinc and lead, which, it is suggested, the wood tar may have picked up during manufacture.

G. P. (12/86).—The formula for *Collirio Astringente Giallo* (Italian Pharmacopœia, 5th edition) is as follows:—

Ammonium chloride	...	...	0.5 gm.
Zinc sulphate	...	...	1.25 gm.
Distilled water	...	...	200 gm.
Camphor	...	...	0.4 gm.
Alcohol (70 per cent.)	...	...	20 gm.
Saffron	...	...	0.1 gm.

Digest for twenty-four hours and filter.

W. P. (12/86).—**INK FOR MARKING MEAT.**—The following is the formula for ink to be used in stamping meat:—

Water	...	...	4.5 gall.
Pure grain alcohol, 95 per cent.	...	...	3.8 gall.
Granulated cane sugar	...	...	10 lb.
Methyl violet	...	...	1 lb.

The methyl violet is dissolved in the alcohol and a portion of the water; the sugar is dissolved in the remaining portion of the water and added to the methyl violet solution.

W. R. F. (16/6).—**ACCUMULATOR JELLY.**—See *C. & D.*, May 9, p. 554.

G. & T. (13/86).—**RASPBERRY VINEGAR.**—Large stone jars should be loosely packed with picked dry, ripe fruit, not "squashy." The jars are then filled up with acid. acetic. dil., B.P., and loosely covered. Stir daily with a stick, and about the fifth day (when the achenes have become separated) the liquid should be squeezed out and filtered. White sugar is then dissolved in the filtrate, equal weights of each, by stirring and without heat. The product resulting is highly pleasing to the senses of taste, smell and sight. No additional colouring or preservative is necessary.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," July 15, 1881

Pharmacy Acts Amendment Bill

The Council's Pharmacy Acts Amendment Bill necessarily awaits a more convenient season before any progress can be made with it. A check has been met with in the refusal of the Government to undertake the task of piloting the Bill through Parliament; but to regard this check as a final overthrow is obviously a display of uncalled-for faint-heartedness. Simultaneously with the check, however, a promising opening has occurred in the appointment of a Royal Commission with the object of providing some scheme of medical legislation which shall generally satisfy the reasonable requirements of the profession and the public. . . . It is by no means unlikely that they [members of the Commission] would be willing to hear suggestions as to the sale of poisons, for the further protection of the public, and if they would, it is not impossible that the desirable amendments of the Pharmacy Act might be obtained without a direct Bill emanating from the pharmaceutical body itself.



[Commenced C. & D., July 5, 1924]

Ultimo.—A term commonly used in commercial correspondence and documents, in conjunction with a date, to signify that the date refers to the month preceding that in which the document or letter is written.

Umpire.—A submission of a dispute to arbitration usually provides for a consideration of the matter by two arbitrators, and that, in the event of the arbitrators being unable to agree in making an award, the matter in dispute shall be decided by a third party who is called an umpire. In National Insurance, also, points of doubt are, in certain circumstances, referred for adjudication to an official who is called the Umpire.

Under-Tenant.—When a person who holds property under a lease or tenancy agreement sublets either a portion of the property or the whole of the property for some period short of the entire term of the original lease or tenancy, the estate thereby granted is called a sub-lease, under-lease, or sub-tenancy, and the party to whom that lesser interest in the property is granted is called the under-lessee, under-tenant, sub-lessee, or sub-tenant. An under-lease or sub-tenancy differs from an assignment of the property in that the latter conveys the whole of the original lessee's or tenant's interest, and passes to the assignee the right to sue, and the liability to be sued by the original lessor or landlord under the covenants in and terms of the original lease or tenancy. On the other hand, in the case of an under-lease or sub-tenancy, the original lessee or tenant remains liable to the lessor or landlord. There is no "privity of contract" between the original lessor or landlord and an under-lessee or under-tenant; but the former can distrain upon the latter's goods in the event of the rent under the original lease or agreement being unpaid, and take advantage of a condition of forfeiture. An under-lessee or under-tenant can, however, in certain circumstances, secure relief from forfeiture of the original lease or tenancy.

Underwriter.—In marine insurance and in certain other classes of insurance effected at Lloyds, several persons commonly accept responsibility for the risk and make themselves liable to pay stated proportions of any claim that may arise under the policy to which they append their names. Such persons are known as underwriters from the circumstance that they write their names under the policy.

Undischarged Bankrupt.—An undischarged bankrupt is disqualified from sitting or voting in either House of Parliament, and also from holding certain public offices, such as that of justice of the peace, mayor, alderman, or councillor. He is guilty of a misdemeanour if he obtains credit for £10 or more without disclosing the fact that he is an undischarged bankrupt, or if he engages in trade under a name other than that in which he was adjudicated without disclosing to all persons with whom he trades that he is a bankrupt. (See Bankruptcy.)

Unemployment Insurance.—Statutory insurance against unemployment was introduced in 1911. It was first applied, experimentally, to a few selected industries; but it was later extended to all occupations with the exception of agriculture, domestic service, and a few others of more limited scope. Generally speaking, every person between the ages of sixteen and sixty-four, inclusive, who is employed under a contract of service is compulsorily brought within the scheme. Certain classes of persons

are, however, exempt, among them being those engaged otherwise than in manual labour at a rate of remuneration exceeding £250 a year. Exemption may also be granted to persons with a pension or independent income of at least £26 a year; but even if exemption is granted to the employee, the employer must pay his own share of the weekly contributions due in respect of the employee.

UNEMPLOYMENT FINANCE.—Prior to the passing of the Unemployment Insurance (No. 1) Act, 1930, the revenue of the unemployment insurance fund was entirely derived from contributions from employers, employees and the State. These three sources of the fund have been altered from time to time, raised and lowered, but invariably the bulk of the revenue has come from the aggregate share of the employers and employed, the State's share having in most periods been to a much lesser degree. The 1929 Act made the provision of the Exchequer to the Fund to be, as from April 1, 1929, a contribution equal to one-half the aggregate amount of the contributions paid in respect of the employed person by himself and his employer. At the passing of the Act the weekly contribution of the employer was 8d., the employee paid 7d., and the Exchequer added 6d. Under the Act the proportions are as follows:—Employer 8d., employee 7d., Exchequer 7½d. weekly. The above are the contributions in respect of insured men, and the proportions in respect of women, young persons, boys and girls are of smaller amount, but work out at about the same ratio. Although, from time to time, the sums paid out in benefit are published in the lay Press, it is not generally known that up to the No. 1, 1930, Act, apart from the Exchequer's share as mentioned above, there has been no direct charge to the State, but these sums have been met by loans from the Treasury out of the Consolidated Fund. Borrowing powers were first limited to £10,000,000 by the No. 1, 1921 Act, when loans were first authorised. This limit was increased to £20,000,000 by the No. 2, 1921 Act, and in this Act the "deficiency period" was also defined to mean that period while there were any outstanding advances from the Treasury; this period cannot be certified by the Treasury as being determined while there remains a debt to the Treasury. It was necessary to increase the borrowing powers to £30,000,000 by the 1922 Act. This was increased to £40,000,000 by the 1923 Act. With the last year's increasing unemployment figures, and notwithstanding the new financial expedients of the No. 1, 1930, Act—explained later—two further Acts increasing the borrowing powers became necessary; the No. 2, 1930, Act made the limit £50,000,000, and the No. 3 £60,000,000. Further borrowing has been authorised, and the total debt now exceeds £80,000,000. The proportions to the full contribution provided by the State since the inception of Unemployment Insurance are as follows:—Under the first scheme the share was one-fourth; under the 1920 Act, one-fifth; under the 1922 Act rather more than one-fourth; and under the 1925 Act, as amended by the Economy Act, 1926, between one-third and one-quarter, which share has remained until the passing of the Act under review. From 1912 to July 1929 the combined contributions of employers and employed amounted, roughly, to £302,000,000, and that of the Exchequer to £108,000,000. The fund is based on actuarial values, but the difficulty of a basis for such a risk as insurance against unemployment periods must be apparent to everyone. The usual basis is to take trade cycles of unemployment, but more so than in ordinary insurance must reliance be placed upon assumption of futures. The 1911 Act was also based on pre-war values as to contributions and benefits, both low. At this period the number of insured persons was 2,250,000. By the 1916 Act numbers of munition workers were brought into insurance, so that immediately prior to the introduction of the 1920 Act the numbers had increased to 4,197,000. The comprehensive scheme of the 1920 Act increased the persons insured to 11,750,000. This latter Act embraced practically every trade with known seasonal periods of slack trade. Those persons employed in trades or callings which are more or less permanent are excepted from participation in the scheme.

The C.&D. Commercial Compendium

THE FUND'S DEFICIT.—Prior to the 1920 Act the finance of the scheme had never been seriously tested, as the war intervened, with no or little unemployment in the trades insured, and with the inclusion of the munition workers the revenue of the fund was in a very favourable condition. But with the passing of the 1920 Act another story had to be told. Almost with its commencement, not only came the trade slump, but also the industrial troubles of 1921 started, so that before revenue had commenced to flow, abnormal expenditure in benefits began; hence the resort to loans as explained to meet adverse balances. From 1922 onwards, however, the fund began to gain ground; and notwithstanding that contributions from employers and employed had been lowered, the deficit by April 1926 had been reduced to £7,100,000. Then came the industrial disputes of 1926, with an enormous number of persons receiving benefit, so that this deficit by December 1926 had been increased to over £21,000,000. Almost immediately prior to the inception of the 1920 actuarial basis, the balance in favour of the fund was £18,900,000. A factor to be taken into account is that when an insured person is registered as unemployed, his contributions, his employer's and the Exchequer's share cease. Until the No. 1, 1930, Act, the only charge to the State had been the Exchequer's portion of the contributions paid in respect of each employed person. However, under the new provisions the State is to provide moneys to meet the cost of benefits and administration expenses paid in connection with unemployed persons who come under the "transitional provisions" Section. In order that an insured person may qualify to receive benefit, the chief condition to be fulfilled is to prove that thirty contributions have been paid in respect of him in the two years previous to the date of claim. But under these "transitional provisions" a person who has to his credit eight contributions in the two years prior to the date of claim or thirty since he entered insurance, can, on complying with certain additional conditions, be granted benefit. The number of persons in receipt of "transitional benefit" was, approximately, 120,000 in January, 1929; 130,000 in October, 1929; and 140,000 in February, 1930. After the passing of the 1930 Act which released the conditions for the receipt of this form of benefit, the number increased to 300,000 in May, 1930, and it is now in excess of 400,000.

RATES OF BENEFIT.—The present rates of benefit paid to unemployed adult men and women are 17s. and 15s. a week respectively. In addition, there is an allowance for not more than one adult dependant of 9s. per week, and for each dependent child of 2s. per week. The rates of benefits for young men and women between the ages of eighteen and twenty are 14s. and 12s., respectively; for boys of seventeen, 9s.; for boys of sixteen, 6s.; for girls of seventeen, 7s. 6d.; and for girls of sixteen, 5s. a week. The finances of the Unemployment Fund are at present adjusted so that income and expenditure balance when 900,000 workers are in receipt of benefit. Since the end of 1929, the number of persons unemployed has far exceeded this total, and the actual income of the Fund has been only slightly more than half the actual expenditure. It must be assumed that the average level of unemployment for the present year will be little short of 2,500,000. Upon this basis the cost of ordinary and "transitional" benefit is about £119,000,000 per annum, of which approximately £35,000,000 is in respect of "transitional" benefit. The annual income of the Fund with an average live register of 2,500,000, is about £44,550,000, so that, on the present basis, a debit balance of £39,450,000 for ordinary benefit and debt interest has to be dealt with, apart from the cost of transitional benefit. In December 1930, the Government appointed a Royal Commission to investigate the problem of unemployment insurance. The Commission has just issued an interim report. The main proposals are that the rates of contributions should be increased; that the benefits should be reduced; that

there should be more stringent control of the payment of "transitional" benefit; and that certain abuses of the scheme should be stopped. The position as we go to press is that the Government has introduced two Bills which are at present before Parliament. Under one of these Bills, the Government seeks power to raise from £90,000,000 to £115,000,000, the amount which the Treasury shall be at liberty to lend to the unemployment fund, and to extend the period during which "transitional" benefit may be received. Under the other Bill, it is proposed to set up an advisory committee to which may be referred certain specified anomalies with a view to the making of provisions for their suppression. The anomalies in question affect four classes of workers. The Government does not propose to adopt the other measures suggested by the Commission.

Unit Fittings.—The chemist who wishes to re-equip his shop will be wise to employ fittings which enable him to combine storage with display, for these will make it possible to have all classes of goods readily accessible, so that individual articles can be taken out and exhibited to customers; and customers are also able to stroll round and inspect the displays whilst waiting to be served. Some chemists prefer to carry out the process of modernisation piece-meal, in which case they can hardly do better than employ the unit system of shop-fitting, for, by this means, they can add a section at a time, and purchase whatever type of unit best meets their individual requirements. These fittings are based on the always-complete-but-never-finished principle. Each unit is complete in itself, but can be made a component part of a whole interior fitting. The units are simply placed one on top of the other, or alongside each other, and, by the addition of side framings, a cornice on top, and pilasters which conceal all joints, combine to form a complete fitting. Movable panel ends are supplied with some units, in either oak or mahogany, surmounted by a moulded cornice, which matches the fitting, and, for the base, a moulded plinth, with the necessary slot fitting for attaching to unit, is supplied. For the sides, moulded pilasters with carved trusses and spring clips for attaching are also furnished. When the complete fitting is built up, it has no trace of joins or sections, and, to all appearances, it is a solid fixture. By means of these detachable pilasters and panel ends, the whole fitting may be extended to whatever length is desired, and always retains its finished appearance. Unit fittings require no skilled assistance in taking down or assembling. The average assistant could grasp the principles of their erection and dismantling in a very short time, and, of course, no tools are required. This matter of easy erection is perhaps the most attractive feature about unit fittings; frequent changes can be made in the shop without any trouble, and without calling in the aid of carpenters and joiners. Another advantage is that the interchange of individual units is easily effected, and any combination of units is possible. The same standard of fitting can be maintained throughout the shop, for the framework of the units is identical, no matter for what purpose they may be intended. If the shop is large enough to justify it, each unit section may be surmounted by a nameplate, with a moulded frame of the same design as the rest of the fitting. Incidentally, this is a good method of indicating to customers the right sections of the pharmacy for the specialised departments of the trade—photographic, perfumery, optical, novelties, drugs, and so on. Regular customers would soon get into the habit of looking for these signs, and would eventually make a practice of going to the counter in front of the section of the wall-fittings over which their particular requirements were indicated, and thus save their own and the assistant's time. These signs, like the fittings themselves, are interchangeable. An important point to remember in connection with unit fittings is that they can be purchased in any number, and may be added to as capital permits or increased stock makes necessary.



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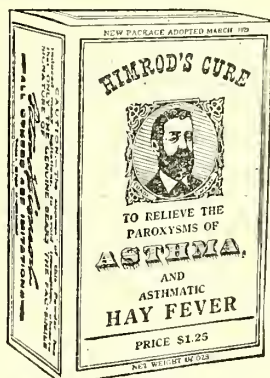
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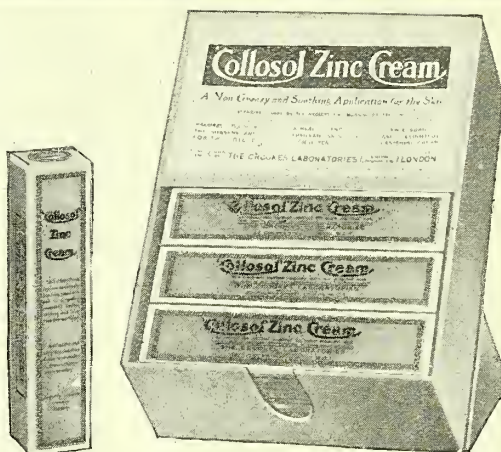
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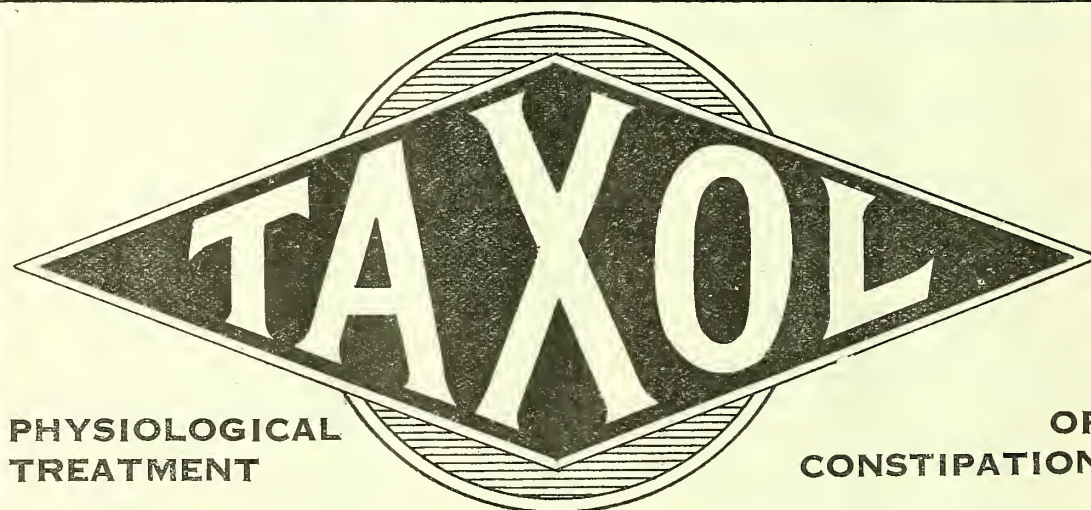
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“Worth a Guinea a Box”

BEECHAM'S POWDERS

AN EXCELLENT LINE TO STOCK—A LINE THAT IS WELL ADVERTISED IN THE NATIONAL AND WEEKLY PRESS—SELLS QUICKLY—EASY TO HANDLE—GIVES GOOD PROFIT

“Act like Magic”

YOUR STOCKS SHOULD ALWAYS BE BIG ENOUGH TO MEET EVERY DEMAND. ORDER THROUGH YOUR WHOLESALE OR DIRECT FROM

BEECHAM'S PILLS, LIMITED
ST. HELENS, LANCs.

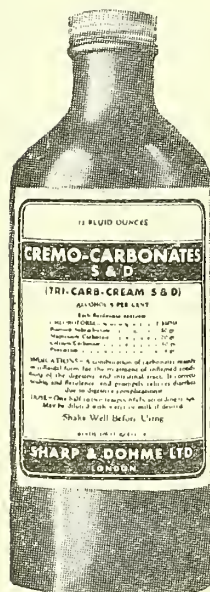
Telephone : 1230 St. Helens

Telegrams : Beecham, St. Helens

"Hyperacidity Conscious"

Both physician and layman know the dangers of hyperacidity—the importance of prevention and correction.

The increasing demands for an antacid and corrective are best met with Cremo-Carbonates, S & D.



This colloidal preparation of well-known antacids (calcium, magnesium and bismuth) is winning recognition because:

- Increased surface area, therefore greater acid-neutralizing power.
- Harmless in large dosage.
- No secondary rise in gastric acidity.

Widely advertised to and prescribed by physicians.

CREMO-CARBONATES S & D

SHARP & DOHME LTD.

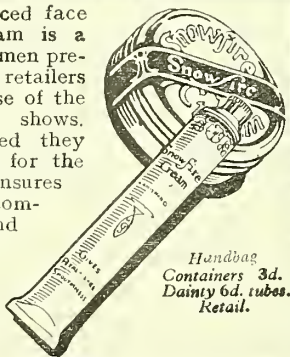
252 Regent Street, Regent Arcade House, London, W.1

**BLONDES *and*
BRUNETTES
PREFER**

Snowfire CREAM

Of all the popular priced face creams, Snowfire Cream is a real "Best Seller." Women prefer this fragrant cream; retailers like to handle it because of the satisfactory profits it shows. Once sales are started they develop automatically, for the merit of the product ensures repeat orders and recommendations. Stock and display Snowfire Cream.

Manufactured by
F. W. Hampshire & Co.
(1927), Ltd.
Sunnydale Works, Derby.



DRIED MILK

Large buyers of Full Cream, Half Cream, Separated, Milk Sugar, Whey Powder, Soluble Milk Casein, are invited to apply for samples and quotations, stating probable requirements. Eight Creameries in Dorset, Somerset and Wilts.

PRIDEAUX'S LTD., MOTCOMBE, SHAFTESBURY, DORSET

VETERINARY COUNTER PRACTICE. Price 7s. 6d. net, by post 8s.

DISEASES AND REMEDIES. Price 5s., by post 5s. 3d.

THE PHOTOGRAPHIC CHEMIST. Price 3s. 6d., by post 3s. 8d.

THE "CHEMIST AND DRUGGIST," 28 Essex Street, W.C.2

CHEMISTS SHOULD ALWAYS HAVE IN STOCK

TOWLE'S PENNYROYAL & STEEL PILLS

Advertised all over the world.

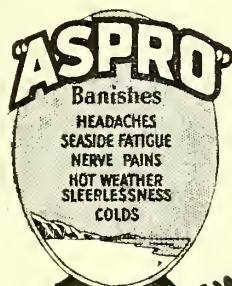
ESTABLISHED 100 YEARS.

Sole Proprietors:

E. T. TOWLE & CO., LTD.

TOLL ST., NOTTINGHAM

'ASPRO' SUMMER SALES PUSH



NEW WINDOW SHOW FOR SUMMER

NEWS THAT WILL INTEREST ALL CHEMISTS

15,000 RUBBER CASH MATS



FREE

WE ARE MAINTAINING THROUGHOUT THE SUMMER THE FULL VOLUME OF OUR WINTER ADVERTISING

50% increase in sales—that's the 'ASPRO' record for the last six months. Refreshing, isn't it, in these bad times, to hear of progress. We take this opportunity of thanking all chemists for their help and co-operation. It has made this success possible—working in conjunction with our sales-producing advertising campaigns. We believe that life is progressive—business is progressive—the whole world could be progressive when dominated by continuous action based on progressive methods. To prove it we are CONTINUING OUR SUMMER ADVERTISING on LAST WINTER'S FULL ADVERTISING SCHEDULE. Further, we have just received from the press one of the most artistic window shows yet. We are also issuing FREE—practical business helps in the way of rubber cash mats for your counter (see illustration). Both window show and cash mats (if you have not already received them) will be gladly sent free on your request.

"CHEMIST and DRUGGIST DIARY" COMPETITION PROVES THAT 'ASPRO' IS EASILY THE BEST SELLER

The unique competition organised by the "Chemist and Druggist" to ascertain various matters of interest to Chemists definitely proved by CHEMISTS' OWN VOTES that 'ASPRO' is easily the chemists' best seller. It is one of the lines which yield the chemist the most profit. So you see that when you display 'ASPRO' you co-operate in the sale of one of the most active and profitable lines in the world. THE MORE YOU DISPLAY 'ASPRO' THE MORE SALES YOU OBTAIN, because every window show connects up with our vast and continuous advertising.

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & CO. PTY. LTD. ('Aspro' Dept.) SLOUGH, BUCKS

Telephone: SLOUGH 608

Made by ASPRO LTD., SLOUGH, ENGLAND.

No proprietary right is claimed in the method of manufacture or the formula.



DO NOT FORGET TO SEND A POST CARD TO-DAY FOR FREE WINDOW SHOW AND CASH MAT



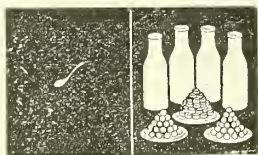
National Committee for
Promoting the Consump-
tion of Norwegian Cod
Liver Oil, Bergen, Norway.

To combat wasting diseases; to accelerate the process of convalescence; to maintain health: Norwegian cod liver oil is a sure and trusted ally which no doctor can afford to disregard.

Thanks to its prolific content of vitamins A and D, Norwegian cod liver oil is a strong adjuvant in the fight against micro-organisms that cause colds, pneumonia, bronchitis, diarrhoea and rickets. It has been found of the greatest value in restoring to health arrested cases of tuberculosis. It also helps to maintain a healthy skin action.

There is no efficient substitute for cod liver oil.

Every barrel of the world-known Norwegian Cod Liver Oil exported, is under control of the Norwegian Government.



A TEASPOONFUL OF NORWEGIAN
COD LIVER OIL CONTAINS MORE
VITAMINS THAN ALL THE BUTTER
AND MILK ANY INDIVIDUAL CAN
EAT AND DRINK IN A DAY.

**NORWEGIAN
COD LIVER OIL**

MASON'S EXTRACT OF HERBS

May we have the pleasure of
sending you particulars of our
Window Display Scheme?



NEWBALL & MASON
LIMITED
NOTTINGHAM

TWO IMPORTANT LAXATIVE FOODS

Lacto-Dextrin, a food for changing the intestinal flora, 12 oz. packings, 4/-; 5 lbs. 22/-.—Psylla, intestinal vegetable lubricant, 10 oz. packings 4/-; 5 lbs. 24/-.—Both these foods are being regularly advertised to the Medical Profession throughout the year. Liberal discounts. Order through your wholesaler or write direct to:

Wholesale & Distributing Agents for United Kingdom & Irish Free State

**COATES &
COOPER, LTD.**

41 GREAT TOWER ST.,
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Products of the
**BATTLE CREEK
FOOD CO.,**
Michigan, U.S.A.

PURE RUSSIAN LIQUID PARAFFIN MEDICINAL B.P.

ALL GRAVITIES.

HIGHEST VISCOSITY.

PURE RUSSIAN "JASMINE" BRAND WHITE OILS

CHEMICALLY PURE. WATER WHITE. ODOURLESS.
FOR MANUFACTURING PURPOSES.

Competitive Prices. Best Quality. Immediate Delivery.

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Paraffinum Liquidum

ALL GRADES **B.P.**
SAMPLES & PRICES

On application to —

STERNS LTD

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WHOLESALE ONLY

PETROLEUM JELLY
(**"SALVO PETROLIA"**)
BRAND

THE PERFECTION OF PETROLEUM JELLY
MANUFACTURED SOLELY BY

THE DEE OIL CO. LD.
D 23 & 24 EXCHANGE BUILDINGS
LIVERPOOL

TELEPHONE: CENTRAL 3859 TELEGRAMS: "CESTRIAN"

LONDON OFFICE
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PACKED IN BARRELS, KEGS OR
SMALLER PACKAGES IF DESIRED.

OTHER GRADES OF
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WHITE OILS B.P. & Technical Qualities
SAMPLES & PRICES ON APPLICATION

OLEUM DEELINÆ (DEE OIL)
THE UNFAILING CURE FOR ECZEMA.

AN IMPORTANT ANNOUNCEMENTSTUDY THESE
REDUCED PRICES

STUDY THESE
REDUCED PRICES**WHITE FELT CORN AND BUNION PLASTERS**

We are well known throughout the trade as the oldest and largest makers of
WHITE FELT CORN AND BUNION PLASTERS.

Recently we introduced a new packing under our universally known
"PORTIA" Brand, and to still further popularise our new pack
WE NOW ANNOUNCE SUBSTANTIAL REDUCTIONS IN PRICES.

**"PORTIA" BRAND
CORN PLASTERS**

Per doz. cartons
THIN, 12 in carton - 2/-
THICK " " - 2/6
THIN, " DOT " " - 1/9
THICK " " - 2/-

**"PORTIA" BRAND
BUNION PLASTERS**

LARGE SIZE Per doz. cartons
THIN, 6 in carton - 2/9
THICK " " - 3/6

**"PORTIA" BRAND
BUNION PLASTERS**

SMALL SIZE Per doz. cartons
THIN, 6 in carton - 2/3
THICK " " - 2/9

SPECIFY ALWAYS "PORTIA" BRANDESTABLISHED
1857

ESTABLISHED
1857

184-192 GOSWELL ROAD, LONDON, E.C.1

Best sellers
The public is asking
for **ZEAL**

**CLINICAL
THERMOMETERS**

because they are:-

**GUARANTEED TO
STAY ACCURATE
CONSISTENTLY
ADVERTISED**

*Made by***ZEAL***-the name the
public knows.*

G. H. ZEAL, LTD.,
75 & 77, St. John St., London, E.C.1.

**NEW SEASON'S RANGE OF
SPONGE BAGS**

You Have
Now Found
The Right
Market.

Value Given
Cannot
Possibly be
Beaten.



Fig. 110BX/1.

In order to provide for an ever growing demand we continue to produce a
pleasing range at prices considered to be unequalled. Each individual article
is completely manufactured in our own modern factory and materials used are
all of British origin as per the indication on the linen tab affixed to each bag.

Produced by **ARTHUR BERTON, LTD.****"BRITANNIA HOUSE,"****256/260 OLD STREET, LONDON, E.C.1**

Phone: CLERKENWELL 1346-1347-1348-1349.

MANCHESTER: 36 Chapel Street.

GLASGOW: 49 Jamaica Street.

Phone: CENTRAL 6299.

Phone: CENTRAL 4300.

These unique lines mean — GREATER Hot Water Bottle Sales

This range of Animal Hot Water Bottles gives the retail trade the opportunity of selling Hot Water Bottles specially made for children. They are non-competitive with ordinary hot water bottles, as most families will buy the Animal Bottles in addition to their ordinary requirements. The bottles are made to the high standard of quality which characterises all Macinlop productions, packed in attractive boxes and can be sold with confidence. COLOURS. All bottles are supplied in blue, green, brown, or black and white marble, and can be covered in orange, red or blue velvet.

FIXED PRICES TO PUBLIC.

Uncovered.	Covered in coloured Velvet.
"TEDDY" 4/3	6/-
"KITTY" 4/3	6/-
"BUNNY" 4/6	6/3

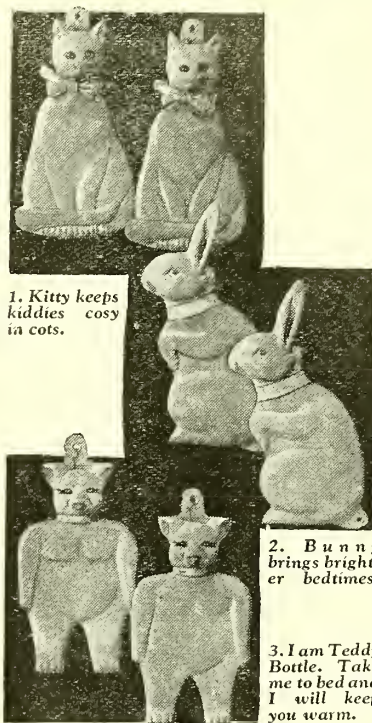
MACINLOP

ANIMAL HOT WATER BOTTLES



MACINLOP LTD.
Head Office: Cambridge Street, Manchester.
Branches at London, Glasgow, Liverpool, Edinburgh,
Grimsby, Leeds, Newcastle, Nottingham, Birmingham,
Southampton, Cardiff, Dublin, Belfast, Cork.

C.F.H. 762



1. Kitty keeps kiddies cosy in cots.

2. Bunny brings brighter bedtimes.

3. I am Teddy Bottle. Take me to bed and I will keep you warm.

RENDELL'S RECIPES for SUCCESS

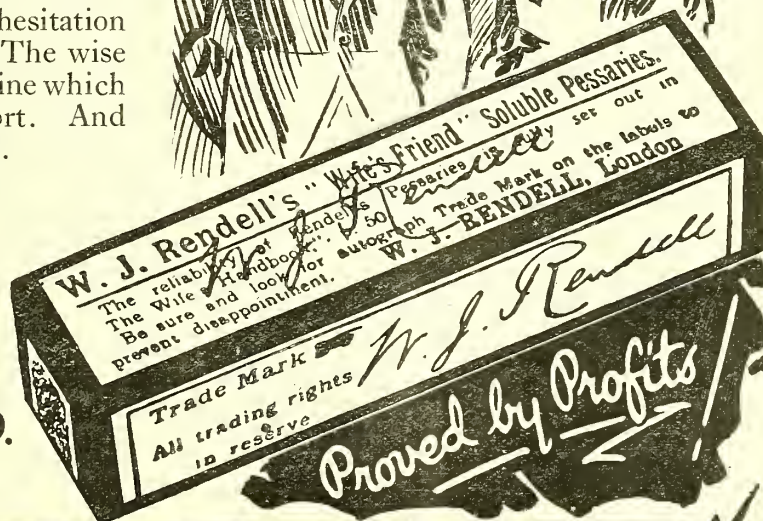
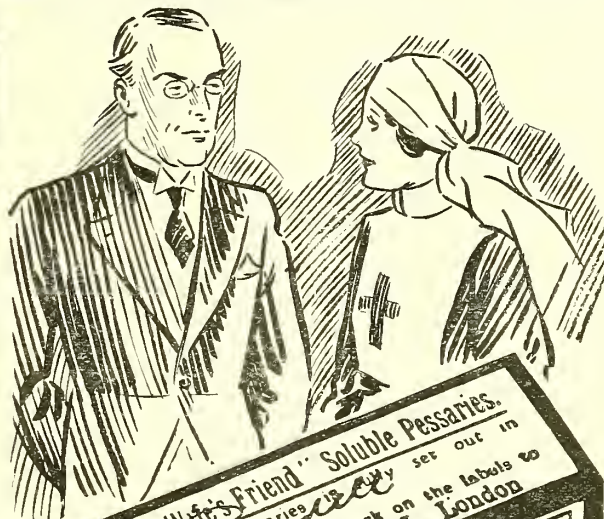
⑩ ENDORSEMENT

THE Medical and Nursing Professions know that Rendell's are unrivalled for efficacy and satisfaction, and, therefore, have no hesitation in recommending their use. The wise Chemist concentrates on the line which receives this powerful support. And he, too, is never disappointed.

The Trade has given its unqualified approval to our new booklet, "The Solution of Birth Control Problems." Chemists who have not yet received copies for distribution should write for a supply without delay.

W. J. RENDELL LTD.

HARDWICK HOUSE,
161-165 ROSEBERY AVENUE,
LONDON, E.C.1.



DON'T FORGET
YOUR STOCK OF

Hobson's Choice
FEET PLASTERS
POWDERS

FROM THE USUAL
WHOLESALE
or direct—

**HOBSON,
TRIMBLE
& CO. LTD.**
9/11 UNION ST., LEEDS

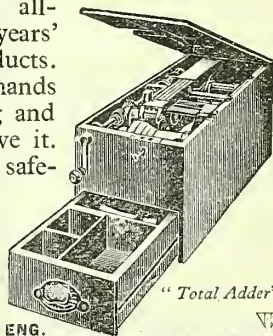
Corks & Stoppers

All progressive business firms are keen buyers. Money saved in buying is extra capital. Nobody to-day can afford to buy other than in the best market.

Mundell Cork Products Ltd.
12/18 Abbey street
TOWER BRIDGE ROAD London S.E.1
Telegr: Mundellcomp Bermlondon
Telephone: HOD 2,685

SUPREME TILLS

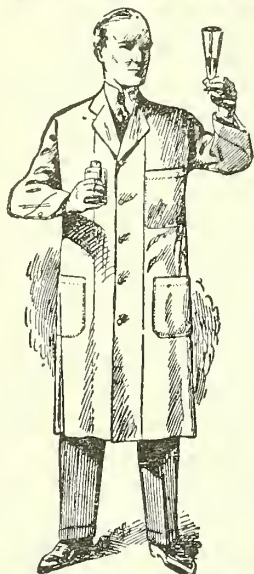
Made by Gledhills—the all-British firm with 40 years' reputation for sound products. Modern business demands efficiency in cash checking and with the Gledhill you have it. Their latest Total Adder safeguards your profits and protects your assistants. Send for leaflet describing it and 30 other models.



G. H. GLEDHILL & SONS, LTD.
16 TRINITY WORKS. HALIFAX, ENG.

"Total Adder"

OVERALLS



SEND FOR NEW ILLUSTRATED LIST

Jackets and Coats of very superior quality, made from the most reliable materials, smartly cut and thoroughly well finished in every detail.

WHITE DRILL JACKETS
6/11, 8/11, 10/6

KHAKI DRILL COATS
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WHITE DRILL COATS
7/6, 9/6, 12/6, 13/6, 15/6

BLACK DRILL COATS 15/6

GREY COTTON COATS 7/6

STOCK SIZES: 34 to 44 chest. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20/- orders upwards carriage paid.

**SPECIAL PRICES FOR
LARGE QUANTITIES**

GARDINER

& CO. (The Scotch House), LTD.

1, 3, 5 Commercial Road, LONDON, E.1

Telephone: Bishopsgate 6751.

Established 1839.

"Adaptocaps"

*will give
your bottles
Distinction*



These Dry Bottle Caps are made in all sizes and colours, clear and opaque. They are Self Sealing, of unrivalled quality and BRITISH MANUFACTURE. Special low rates for large contracts. Let us quote you.

The London Capsule Co

EMPIRE WORKS, MITCHAM RD., CROYDON
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for METHYLATED SPIRITS

PLEASE ASK FOR OUR PRICE LIST
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SPIRITS, ETC., ALSO FOR OUR NEW
BOOKLET "THE NEW WAY TO RE-
MOVE CARBON"

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WESTMINSTER COLLEGE OF PHARMACY.

WILLS' UNIVERSAL
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FEES (GT. BRITAIN & N. IRELAND).

PRELIMINARY SCIENTIFIC COURSE - £1 1 0
QUALIFYING COURSE - - - - - £1 1 0
APOTHECARIES' HALL COURSE - - - £1 11 6

POSTAL COURSE PROSPECTUS POST FREE
from The Secretary,

190 CLAPHAM ROAD, S.W.9.

MANY SUCCESSES IN THE EXAMINATIONS

Your Opportunity to

QUALIFY IN OPTICS

PRACTICAL WORK. Personal tuition in the
practical work is a distinctive feature. Students can
avail themselves of the practical classes held dur-
ing examination times when they are in London.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worship-
ful Company of Spectacle Makers (F.S.M.C.); the British Optical
Association (F.B.O.A.); the National Association of Opticians
(F.N.A.O.); or the College of Optics (F.C.O.).

Write for full particulars—

C. A. SCURR, M.P.S. F.S.M.C. F.B.O.A. F.N.A.O., B.Sc. F.I.O. F.C.O.
50 HIGH STREET, BARNET, LONDON, N.

More popular
than ever
DRUMMER
DYES



now in
POWDER
and
**DOUBLE
STRENGTH**
no increase
in price—4^p
EDGES, BOLTON, LANCs.

PRACTICAL SIGHT-TESTING

Over 200 Qualified Opticians have taken this Course

A Special Course of Lectures, Demonstrations and Clinical
Instruction in preparation for the November 1931 examina-
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and three distinct courses are available: (1) Prepares exclusively
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Each course consists of Correspondence Lectures, Test Papers,
Viva voce and unequalled practical work. The Simpson trained
optical student is assured of personal attention with abundant
practical work. For fullest particulars (stamp please) to

WALTER SIMPSON, M.P.S., F.S.M.C., F.B.O.A., F.I.O.
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WE SUPPLY

DECORATED TINS

FOR PACKING

OINTMENTS

AND OTHER PRODUCTS.

SAMPLES AND PRICES UPON REQUEST.

THE CALDICOT TIN STAMPING WORKS LTD.

CALDICOT, Nr. CHEPSTOW, Mon.

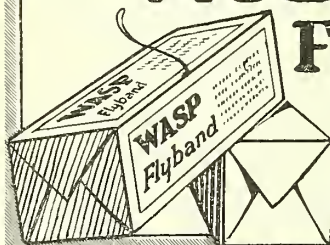
STICK TO THIS FOR BIG SALES

You can't help doing good business with Wasp Flyband—it's the line that *always* brings regular, satisfied customers. Wasp Flyband is the quickest and most hygienic Fly Catcher. Keeps in condition indefinitely—never any dead stock left on your shelves. Stock up for big profits—place your order now for

THE

WASP

Flyband



Manufactured by
F. W. HAMPSHIRE & Co.
(1927), LTD.,
Sunnydale Works, Derby

RODINE SALES CONSIDERABLY INCREASED

From 2 Tins per week to 36.

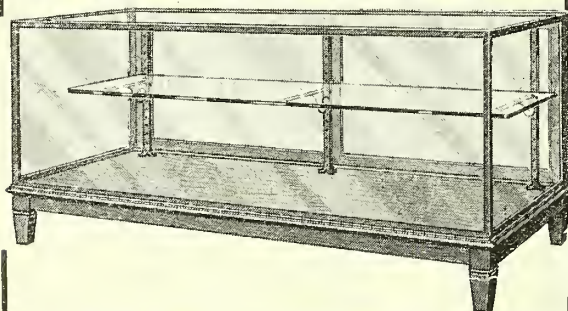
Messrs. A. & N. Catto, Ltd., Stratford, London, E., write:—"26th May, 1931. We put in your show on April 26th, and our Rodine sales have increased considerably. Where we only sold about one 7½d. tin and one 1/3 per week, we have sold about 2 dozen 7½d. and 1 dozen 1/3 per week during the period, and sales still keep up."

It always pays to show RODINE. Attractive advertising matter can be had on request. Always keep a Display Outer on your counter. If you do not have one send for one by return to the Sole Maker and Proprietor:—

T. HARLEY, M.P.S., *Manufacturing Chemist,*
Rodine Works, PERTH, Scotland.

"RODINE" REGD
THE RAPID RAT REMOVER

GLASS COUNTERS BRING MORE TRADE



No. CD/SF 2920. A soundly constructed Display and Serving Counter made in our own works at Holloway Road—6 ft. x 3 ft. x 2 ft. oak or mahogany framing, glazed new ¼" drawn plate glass top, front, and ends. Clear glass sliding doors at back. Interior fitted 1 row of shelves 12" wide, brown bronze bars and brackets.

DEFERRED TERMS
An initial payment of 18/10 secures this counter, and 11 further equal monthly payments of the same amount make it your own complete property.

£10-15-0

Cash Price. Ex. Works.

Send for our New List No. C.D.1260.

DUDLEY & COMPANY, LIMITED
451 HOLLOWAY ROAD, LONDON, N.7
City Showrooms: 65-66 FORE STREET, E.C.

SHOWCARDS

WHICH HELP SALES.

WRITE

**JAMES
TOWNSEND
AND SONS,
EXETER.**

(London Office:—54, Farringdon Street, E.C.4.)

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GASLIGHT

◆
obviates waste

◆
saves you money

◆
gives better results

◆
brings more customers

◆
means increased business

◆
MADE SPECIALLY FOR D.&P. WORK

ILFORD LTD., ILFORD, LONDON

INCREASE your SUMMER SALES by selling HORLICK'S for cold drinks!

NEW summer demand for Horlick's Malted Milk prepared *cold*! Formerly regarded as a *hot* drink, and sold chiefly during the winter months, Horlick's is now rapidly gaining popularity as a summer drink!

Striking advertisements in all the important nationals and magazines, are carrying the news of these cool, refreshing drinks into over 3,000,000 homes.



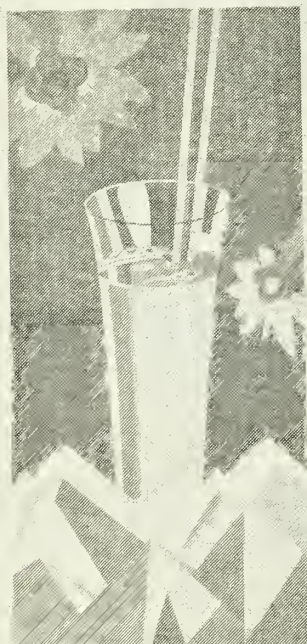
for summer energy

TRY
HORLICK'S
COLD

HOLIDAYS PUT FRESH LIFE INTO



IT'S FUN, BUT IT'S TIRED



TRY
HORLICK'S
COLD

with a dash of soda from a sparklet syphon



summer energy

TRY
HORLICK'S
COLD

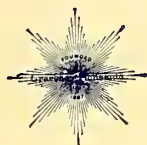
It is up to you then to take advantage of this great new summer-time demand for Horlick's! By telling your regular winter customers for the Malted Milk how to prepare it *cold*, and by introducing fresh customers to this popular new drink, you can make it one of the most profitable lines in your summer business.

**★TO HELP YOU—Send for
this Free Display Material**

Keep up your stocks of Horlick's Malted Milk for the summer business, and to assist sales still further, write to-day for some of the attractive display material, illustrated on this page, which will be sent free on application. Horlick's Malted Milk Co., Ltd., Slough, Bucks.

HORLICK'S
PLAIN OR CHOCOLATE FLAVOURED

MADE IN ENGLAND



MONSANTO

CHEMICALS of Quality

LYSOL BUYERS & LYSOL MAKERS

LYSOL to comply with the recommendations of the "Government Committee on Maternal Mortality and Morbidity" should be made from selected Cresols under laboratory control.

Graesser-Monsanto have a bacteriological laboratory under expert control and manufacture ACROSYL as a Lysol with unqualified guarantees of uniformity and purity.

Lysol makers need a selected uniform CRESYLIC ACID. We shall be glad to send samples of Monsanto selected Cresylic—specially prepared and tested for Lysol making.

*It may be easy to sell an inferior Lysol once ;
only first grade quality will continue to sell.*

MANUFACTURED BY

**GRAESSER-MONSANTO
CHEMICAL WORKS LTD.**

WORKS:
RUABON,
NORTH WALES.

WEAR TAR WORKS:
SOUTH DOCK,
SUNDERLAND.

VICTORIA STATION HOUSE,
VICTORIA STREET, LONDON, S.W.1.

ASSOCIATED WORKS:
ST. LOUIS,
U.S.A.



SHAMPOO POWDERS

Impart a delightful glint to the hair and leave it in perfect condition.

BAY RUM AND CANTHARIDES -	-	-	-	-	-	} 1/6 dozen 17/6 gross
CHAMOMILE	-	-	-	-	-	
COCOANUT OIL	-	-	-	-	-	
EAU DE COLOGNE	-	-	-	-	-	
LAVENDER, CAMPHOR AND ROSEMARY -	-	-	-	-	-	
HENNA SHAMPOO	-	-	-	-	-	1/9 dozen ; 20/- gross

ANTI-BITE PREPARATIONS

For both before and after use.

ANTI-MIDGE LOTION	-	-	-	-	-	5/- dozen
ANTI-STING PENS (Relieve Swelling)	-	-	-	-	-	4/6 "
ANTI-MIDGE CREAM	-	-	-	-	-	5/6 "
ANTI-STING LAVENDER (Carded)	-	-	-	-	-	3/6 "

ARTHUR H. COX & CO. LTD
Manufacturing Chemists
BRIGHTON ENGLAND

WYLEYS LIMITED WHOLESALE **COVENTRY** Established 1750.
DRUGGISTS

ELIXIR BROMO-VALERIAN CO. Free from any disagreeable taste or odour.

Each fluid drachm (4 c.c.) contains { Strontii Bromidi... 5 gr.
Tinct. Valer. Decodrat... 10 m.
Tinct. Adonis Vernalis ... 5 m.
Tinct. Visci Alb. ... 5 m.

Useful for functional nervous affections, particularly in controlling epileptic seizures.

PRICE—2/9 per 8-oz. Bottle; 16-oz. 5/-.

FULL LISTS ON APPLICATION.

THE CHEMIST AND DRUGGIST SUPPLEMENT

28 ESSEX ST.
LONDON, W.C.2

JULY 4, 1931

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

ADVERTISEMENT TARIFF

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1.—MIDDLESEX.—Good-class Business, with Kodak Agency; returns £3,300 per annum; gross profit £1,200; double-fronted shop in main road; mahogany fittings; well stocked; convenient house; new lease will be granted or property may be purchased; price of business, an agreed sum for goodwill, plus valuation of stock and fittings.

2.—LONDON, N.—Good middle-class Business, with Optical connection; returns £2,100 last year, plus £350 from Optics; net profit £750; double-fronted shop; stock and fixtures worth about £300; rent and rates £90; long lease; price £1,600, or valuation terms entertained.

3.—SOUTH LONDON.—General Retail and Dispensing Business, with N.H.I. and Kodak Agency, situate in busy main road; returns approximately £5,000 per annum, of which about £800 is from N.H.I.; large double-fronted shop, very well fitted and fully stocked; long lease at reasonable rental; further details on application.

4.—KENNINGTON.—General Retail Business, with N.H.I.; returns last year under management £1,406, plus N.H.I. £237; stock and fixtures worth £350; rent £80; sublet £50; 14 years' lease; price to be arranged.

5.—DALSTON JUNCTION (Near).—Old-established Business for Disposal; returns last year about £4,000; net profit about £1,000; double-fronted corner shop; held on lease; profit rental; price £3,000, or valuation terms entertained.

6.—LONDON, N.W. (Working-class District).—Old-established Business; double-fronted shop in main road; Kodak and Ucal Agencies; rent and rates about £107 10s.; turnover averages £2,200 per annum; gross profit over £800; terms, value of stock and fixtures and sum for goodwill to be arranged.

7.—HACKNEY.—Family Retail Business, with N.H.I. Dispensing; established 50 years; turnover averages £1,200 per annum, and with benefit of sub-lets shows £500 net profit; lease 14 years unexpired at ground rent of £7 per annum; sublet £100 per annum; price for quick sale £800, to include property.

8.—NORFOLK.—General Retail Business, with Kodak Agency; established 1905; returns about £2,150 per annum; net profit exceeds £500; double-fronted shop, well stocked; ample living accommodation; rent £30 per annum, rising to £40; held on lease; one other chemist; price about £1,200.

9.—MONMOUTHSHIRE.—High-class Retail Business, with good connection with Medical men; increasing turnover, last year being £2,436; single-fronted shop, well fitted and fully stocked; premises are held on lease at a rental of about £100 per annum; sub-let 11s. 6d. weekly; terms, goodwill £350, plus value of stock and fittings, in all about £1,500.

10.—TORQUAY (Near).—General Retail and Photographic Business; returns about £1,225, increasing; double-fronted shop; estimated value of stock and fittings £600; ample living accommodation; good garden; further details on application.

11.—S.E. COAST (Near).—Old-established Retail and Dispensing Business, with Kodak Agency; returns £2,050; net profit £502; lock-up pharmacy; estimated value of stock and fittings about £1,000; long lease at rental of £85 per annum; terms £800 for lease and goodwill, plus valuation of stock and fittings.

12.—WEST OF ENGLAND.—Cash Retail and Dispensing Business; returns £100-£120 monthly, with scope for increase; rent £72 per annum; no rates; long lease; option of modern flat at 10s. 9d. weekly; price required for business £650.

13.—BRENTWOOD (Within Easy Distance of).—General Retail and Dispensing, with Kodak Agency; returns at the rate of £1,200 per annum; double-fronted shop; large house; rent £35 per annum; stock and fixtures worth £650; price asked £900.

14.—EAST COAST.—Light Retail Business, with Kodak Agency; returns for current year £900, with three of the best months (season) still to go; large modern shop; rent £70; rates about £20; long lease; price for quick sale £800.

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3.—CHANNEL ISLANDS.—Sound Light Family Retail; same hands 36 years, retiring; returns £1,264, increasing; net profit £331; own property; price £900; worth attention.

4.—WESTCLIFF-ON-SEA.—Middle-class Retail, in main road position; returns £1,350; audited books; corner shop, well fitted and stocked; price £700, or offer.

5.—LIVERPOOL.—Well-established Light Suburban Retail, in good position; returns £1,200; scope for increase; low rent; on lease; double-fronted shop, well fitted and stocked; price £600.

6.—YORKS (W. Riding).—Old-established Business, in growing district, centrally situated, on main road, with excellent house; returns average £600; price £450.

7.—CAMBS.—Mixed Country Retail; no heavy trade; returns, under manager, £1,400; good house and garden; roomy shop, well situated; price valuation terms, about £600.

8.—ESSEX (45 miles out).—Unopposed Light Country Retail; returns average over £900; last year less through illness; low rent, on lease; price £350 for quick sale.

9.—LONDON, W.—Good-class Retail and Dispensing, returning £2,200; gross profits 40 per cent.; double-fronted shop; modern fittings; well stocked; price £1,350, or near offer.

10.—WESTERN SUBURB (15 Miles Out).—Illness necessitates early sale of sound Cash Business, in growing district; returns about £1,500; modern pharmacy with large flat over; stock and fixtures worth £600; price £800, or first reasonable offer.

11.—NORTH LONDON.—Profitable Cash Retail, in busy main road; good Panel; returns about £1,300; net profit over £400; low rent; on lease; fully stocked; price £850.

12.—ESSEX (Suburb).—Cash Retail, with N.H.I. and Kodak Agency; returns over £1,300; net profit £400; low rent; nice house; price £575.

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(C2) CENTRAL MIDLANDS.—Established middle-class business doing approximately £3,000 per annum; good prescribing and dispensing, including N.H.I.; premises may be acquired at a reasonable figure, or taken on lease at agreed rental; living accommodation available; owner selling on account of doctor's orders.

(C3) SOUTHERN SEASIDE RESORT.—High-class pharmacy with living accommodation; doing over £60 weekly, with scope for increase; present net profits approximately £580 per annum; good private dispensing; premises held on long lease; particulars forwarded on receipt of bankers' references.

(C4) HEREFORDSHIRE.—Old-established family and dispensing business; average turnover approximately £3,200 per annum; rent, £100 on lease; situated in busy thoroughfare and within easy reach of growing residential district.

(C5) NEWCASTLE-ON-TYNE.—Retail and dispensing business, well situated, and doing approximately £1,700 per annum; low overhead expenses and high percentage net profits; large N.H.I.; living accommodation available; purchase price approximately £1,400.

(C6) KENT.—Old-established; present turnover exceeds £2,000 per annum; net profits, £500; rent, £85 on long lease; lock-up shop; good scope for increase.

(C7) TEESIDE.—Good retail and dispensing business; present turnover approximately £1,750 per annum; net profits, £480; good living accommodation; rent, £110 on lease; bona fide reasons for wishing to dispose.

(C8) LONDON, S.W.—Pharmacy with optical connection; present returns approximately £45 weekly; inclusive rental, £100; imposing and attractive premises; owner reluctantly disposing on account of family circumstances; purchase price for quick sale, £950.

(C9) NORFOLK (SEASIDE RESORT).—Recently-established pharmacy with optical connection; modernised premises (lock-up), beautifully fitted and of excellent appearance; present turnover under management approximately £22 weekly and increasing; rent, £70 on long lease; good reason for selling.

(C10) TYNESIDE.—Good family business with no near opposition; turnover (increasing) exceeds £1,200 per annum; net profits, £300; rent, £78; living accommodation; purchase price, £650.

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BUSINESSES FOR DISPOSAL.**BLACKPOOL SUBURB.**—Well-established Chemist's Business (8 years) with excellent House for Sale; books kept from the beginning; growing district; increasing returns; Kodak Agency; limited shopping area. Full particulars supplied to bona-fide inquirers. Apply in first case to 178/19, Office of this Paper.**BRIGHTON.**—Retail and Dispensing Business for disposal in centre of town, owing to death in family; good scope for energetic man; no triflers. Apply 179/22, Office of this Paper.**COVENTRY.**—Chemist's Business, very old-established; busy thoroughfare near centre; bargain price, £250. Full particulars of Marston, Auctioneer, Warwick Row, Coventry.**DEVON, SOUTH.**—For Sale, old-established Business; excellent corner premises; main street; fine double-fronted shop and house; takings approximately £1,200 per annum; will sell or lease premises; proprietor retiring; growing district. Apply 178/14, Office of this Paper.**EAST HAM.**—For Sale, old-established Drug Stores; good position (corner shop); thickly populated district; good Kodak Agencies; good position for a qualified man; 11 years to run; rent, rates and taxes £133 inclusive; cause of selling, death of proprietor. Apply A. & C. Lovett, 95 High Street, East Ham South.**EAST HAM.**—Widow must sell, sound Family Retail Business; N.H.I., photography, etc.; takings, under management, over £1,000, plus N.H.I.; good living accommodation; on lease; reasonable rent; nearest offer to £600, all at. Further particulars to genuine buyers only, or view any time by appointment. Fookes, 34 Vicarage Lane, East Ham.**ESSEX SUBURB.**—Cash Retail, with N.H.I. and Kodak; working-class district; corner shop; good living accommodation; trade £1,300; gross profit over £400; capable of increase; price £575; lease granted at £45 per annum; good reason for selling. 114 Gascoigne Road, Barking, Essex. (Phone: Grangewood 0999.)**HAMPSHIRE** (country, seaside).—Medium- and good-class Business, with house, in main road; Kodak Agency; well stocked; takings, 1930, over £1,200; increase this year; good profits; £850, or offer. 176/24, Office of this Paper.**HAMPSHIRE.**—Established 26 years; good position; General Retail and Dispensing Business; Rexall Agency, Kodak, N.H.I., etc.; returns £1,800, under management; estimated stock £550; well fitted; held on lease; rent £60 per annum; price £1,100, or offer; genuine buyers only. 179/11, Office of this Paper.**LANCASHIRE.**—Old-established Chemist's Business; N.H.I., Wine and Spirit Licence (Excise), Kodak Agency, and Druggery; Wholesale connection; soda water syphons and small mineral water plant, baking powder mixing machine; will sell cheaply as a going concern, or consider sale of any section. 188/679, Office of this Paper.**LEEDS.**—Small Branch Business in rapidly developing suburb; increasing returns; double-fronted shop, nicely fitted and well stocked; must be sold; bargain; about £200 will purchase. Apply W. R. Bell, Incorporated Accountant, 6 Park Square, Leeds.**LIVERPOOL** (pleasant suburb).—Exceptionally profitable Business; average turnover the last three years £2,300; stock £500; fixtures £260; small goodwill; freehold property, comprising modern house and shop, to be sold or leased; very good opening for Optics; accounts audited by accountant. Full particulars to bona-fide applicants. 176/16, Office of this Paper.**LONDON, S.E.**—Growing concern, at present taking £27 per week; corner shop; main road; plenty of scope; Kodak Agency; stock over £600; well fitted; will accept £750 for quick sale; ill-health; worth investigation. 176/13, Office of this Paper.**S. F. CLARK** CHEMISTS' VALUER
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BERKS Village.—Returning £1,120, long lease, £750 a.a.
Other propositions, London, Middlesex, Lancs. Enquiries invited.**LONDON (City).**—Good-class Retail and Photographic Business for disposal; splendid position in important thoroughfare; no near opposition; present turnover £3,000; scope for considerable increase and N.H.I.; Optics just started; modern window and interior fittings in excellent condition. P.C.B. 55/8, Office of this Paper.**LONDON (near).**—Long-established, light Retail, in pleasant residential district; Kodak Agency; returns average over £1,300; good house, long lease. Full particulars to bona-fide enquirers. 179/34, Office of this Paper.**LONDON.**—Good-class S.E. Suburb; well-fitted, large, double-fronted shop in excellent position. Small turnover but capable of quick increase under personal management; Kodak Agency. 179/21, Office of this Paper.**MIDLANDS.**—Large, well-fitted shop on new estate, 3 miles from city centre; no opposition allowed; takings £26; Kodak Agency; excellent D. & P.; good Private Dispensing; N.H.I. steadily increasing; modern house, designed by owner; every modern convenience; large, well-stocked garden; moderate rent; rates £17 per annum; fittings £220, stock £600, plus an agreed sum for goodwill; owner retiring; no triflers. 176/29, Office of this Paper.**MIDLANDS.**—Chemist, retiring from business shortly, will be pleased to receive offers for same; the business is an old-established country cue; returns are nearly £2,000, which a right man may considerably increase; qualified man with Dental qualification would do well. Apply 179/5, Office of this Paper.**MIDLAND Suburb,** unopposed; growing district; N.H.I.; Kodak; Brandes wireless agency; battery charging; makes 30s. week; lock-up shop, storeroom; established 7 years; increasing returns; selling owing to ill-health. Splendid chance for live man; owner will grant lease, will accept valuation stock, fixtures, for quick sale about £550. Part can remain at 5 per cent. Cooper, Chemist, Nuneaton.**NOTTS.**—Chemist, Optical Business; neglected; 7 years established; well fitted; doing £10 weekly, plus N.H.I. and Optics; has done £25-£30; lock-up shop; rent and rates 24s. weekly; bargain for energetic man; £200 all at for quick sale. Apply 179/12, Office of this Paper.**PORTSMOUTH.**—Chemist's Business; takings £1,285 last year, increasing; capable of great expansion under personal supervision; now under management; valuable long lease; low rent; stock and fixtures value about £800; price £900; large part might remain; opportunity for enterprising man. Apply Preston & Partners, 29 Ludgate Hill, E.C.**SCOTLAND, EDINBURGH.**—Genuine high-class Dispensing and Drug Business and Premises in main thoroughfare; old established; double-front; well fitted and stocked. Apply T. & H. Smith, Ltd., Wholesale Chemists, Edinburgh.**SOUTH COAST.**—Advertiser recently opened a Branch Business, but finds the work too arduous; in excellent position; bus and tram stop; well fitted and stocked; high-class neighbourhood; a splendid chance for the right man; price £950. 177/16, Office of this Paper.**SOUTH COAST** seaside resort, close sea; corner premises; private entrance; old-established, spacious shop; excellent condition; 12 rooms redecorated; low rent; sub-let pays rent, rates; lease, 14 years unexpired; Kodak, Ucal; opening N.H.I.; residential neighbourhood. Turnover until recently, £20 weekly, now average £16; neglected, owner other interests. £700 or offer. 180/1, Office of this Paper.**SOUTH-EAST COAST** (trans-Continental seaside town).—Modern Store Pharmacy, with Optical connection, situated best position of main and busy street; only private pharmacy in district; unusually attractive, both exterior and interior (four windows), the whole fitted up on modern store lines; established nearly two years; excellent scope for progressive increase, especially Optics; comfortable flat over; rent £200 per annum; valuable long lease; price £2,500; optical fittings and stock at valuation. "E," 178/10, Office of this Paper.**SOUTH-EAST COAST.**—Old-established Business; owner retiring; long and valuable lease; returns average about £3,000; good net profits; genuine proposition; price £2,750, all in, or near offer. Write "Sumbul," c/o British Drug Houses, Graham Street, City Road, N.1.**SOUTHEAST-ON-SEA.**—Drug Stores, Chemist's Sundries Business; new growing main road district; large estate near by; no chemists in neighbourhood; fine opportunity for qualified man; smartly-fitted shop; increasing trade; nice modern house and garden; any lease granted, owner's own freehold; accept £275; stock at valuation. Recommended. Hodgins, 11 Clarence Street, Southend. Phone 3617.

WILTS.—Village Pharmacy in rapidly developing district; Kodak and Ingersoll Agencies; N.H.I. and Dispensing urgently needed; low rent; turnover £1,042; good 6-roomed house and garden; garage; electric light; terms, value of stock and fittings, plus small sum for goodwill; part can remain. Apply 176/31, Office of this Paper.

WOLVERHAMPTON.—Drug Stores for immediate disposal, situate in thickly populated district; main street; low rent; lease; nicely fitted shop, easily worked single-handed; right price for quick sale. Full particulars from 74 Great Brick Kiln Street, Wolverhampton.

A GROWING Business, in S.W. London, that is a pleasure to work, can be obtained for £950, situated in the centre of a residential district that supports five doctors; 17 years' lease, with house; turnover £1,300, showing high rate of profit; beautifully fitted and well stocked; reason for disposal fully explained. 178/11, Office of this Paper.

ADVERTISER can recommend a thoroughly genuine Business capable of considerable expansion, now doing a cash turnover of £1,700. Pharmacy beautifully fitted and well stocked; choice position, and long lease at nominal rent; prolonged illness cause of sale. For full particulars write H. Jackson, Cragmoor Road, Burton Joyce, Notts.

BARGAIN.—Old-established Business; central position; good-class Retail and Dispensing; Medicated Wine Licence; turnover to April, 1931, approximately £2,000; certified liquidator's figures; stock, fixtures and fittings, goodwill, all in, £900, or nearest offer. Full particulars to principals only. Liquidator, 30 High Street, Newport, Mon.

CHEMIST'S Business for Sale; small but genuine concern; established over 50 years; good position; moderate rent. Apply Scammell & Smith, Estate Offices, Eastleigh, Hants.

CORNER Business for Sale in centre of busy suburb of Northern town; takings for past three years, under management, £2,500 per year; long lease; rent £175 per year; Kodak and Rexall Agencies and good Optical connection; six large windows on corner site; bus and tram stop; price to be arranged; no agents. 175/34, Office of this Paper.

DRUG Store; old-established business; living accommodation; main road; near docks and shipbuilding yard; no opposition; average weekly £14; for last 5 years £1,011; fine opportunity for qualified man; plenty of scope for N.H.I., Shipping and Photography; price £200; rent £75. 176/14, Office of this Paper.

DRUG Stores, S.W.—Established two years; first year turnover £1,200 17s. 1d., net profit £332 4s. 1d.; second year turnover, £1,310 7s. 1d., net profit £382 14s. 6d.; audited accounts; fine opening for qualified; rent and rates £23 5s. 2d.; Kodak Agency; price, all at, £575; family reasons for disposal. 178/12, Office of this Paper.

DRUG and Photographic Stores, double-fronted shop, three rooms, kitchen, scullery; garden, side and back entrance; suit M.P.S.; great scope; lease granted; freehold can be purchased £325, rent £42 p.a. inclusive; a bargain, £150 s.a.v. or offer; would entertain partner. F. Lorne, Pharmacy, 37 Lennox Road, Walthamstow, E.17.

FOR disposal, owing to increasing age and failing strength, a first-class Herbalist's Business in a thickly populated district, on a busy main road, in a thriving town in the Midlands; the shop is fitted in a high-class style; the business has been established 50 years, and there is attached to it a goodly number of very useful and valuable Proprietary Herbal Remedies having a good sale; it offers a rare opportunity for a man of ability and enterprise; price £1,100; would accept £950 or reasonably near offer. Apply to Messrs. Potter & Clarke, 60-64 Artillery Lane, London, E.1.

LADY willing to established reliable Chemist in sound Family Pharmacy inherited by her; impossibility of personal supervision; genuine reason for unique offer, involving little beyond taking over of stock. P.C.B. 55/26, Office of this Paper.

OLD-ESTABLISHED London Business; long lease; low rent; Kodak Agency; net profit £540; price £450 for goodwill and lease; stock and fixtures at valuation, or £1,050 all at. 180/4, Office of this Paper.

SACRIFICE, through illness—hospital case—Drug Stores; busy part; lock-up shop, low rent; varied stock (not old), neatly fitted up. All at £110. "Advertiser," 105 Clarendon Road, W.11. Tel. Park 7405.

SMART, new, up-to-date Pharmacy (lock-up) for Sale; returns £1,400 at good prices and rapidly increasing; within 40 minutes of London (main line); rental £52 per annum; good lease; Kodak, Wines, N.H.I.; no serious opposition; price (all at) £750; genuine. 177/31, Office of this Paper.

SUBURBAN Business; saleable stock; well fitted; growing neighbourhood; lease at low rent; medium family business; returns about £1,800. 180/13, Office of this Paper.

TENDERS are invited for the cash purchase of that high-class Chemist's and Photographic Business, "The Castle Pharmacy" (lock-up), opposite Cardiff Castle; proprietor accepted important appointment in America after purchasing stock and fittings of above for more than £1,000; an exceptional bargain is therefore available. Tenders must reach the undersigned (from whom full particulars are obtainable) by Saturday, July 18, 1931. Abbott & Orchard, Accountants, 34 Windsor Place, Cardiff.

WANTED.—Pharmacist, not afraid of work, with confidence in himself (herself), and a little capital to purchase small, neglected Pharmacy by instalments; lock-up shop and rooms. N.W.6; working-class business, with Kodak Agency; doctor next door; low expenses, 6 years' lease. All particulars to "Bruno," c/o 18 Southfields, Watford Way, N.W.4.

WELL-FITTED lock-up Chemists, near Wolverhampton; stock approximately £170; 350 scripts a month; takings £16 week; Kodak Agency; rent £25 year; lease; suitable for lady or new beginner; price for quick sale £250, or valuation terms. 179/18, Office of this Paper.

BUSINESSES WANTED.

ADVERTISER wishes to purchase a business in Cornwall, A with minimum turnover £1,500, or would consider a Partnership in a larger concern. Replies should state turnover for last three years, audited figures, rent and terms of lease, accommodation available, etc., in confidence, to 180/14, Office of this Paper.

IMMEDIATE cash available for purchase of Country Business in market town of about 10,000 population, South of Thames and Bristol Channel.

In reply please state turnover, rent, particulars of lease, and living accommodation.

LADDS, 20a Tremaine Road, Anerley, S.E.20.

WANTED, sound Chemist's Business, Scotland preferred, doing about £40 weekly and well established; price about £750. Apply 176/3, Office of this Paper.

WANTED, a small, well-established Chemical Manufacturing Business, in or near London, preferably with own Proprietaries; must stand thorough investigation. Apply, giving details of products and plant, situation of factory, returns, to P.C.B. 56/11, Office of this Paper.

WANTED to purchase, Business, with living accommodation, in or near city or large town preferred, but not essential; Midlands or South; must bear investigation; available cash £200; balance to be paid by arrangement. 180/11, Office of this Paper.

£250 CASH as first instalment, remainder by arrangement, for Chemist's and Druggist's Business in or near London; medium to better class trade; would prefer where option of buying premises can be obtained. In confidence, 178/3, Office of this Paper.

APPOINTMENTS.

CITY OF BIRMINGHAM.
SEELY OAK HOSPITAL.
HEAD DISPENSER (MALE).

APPLICATIONS are invited from Registered Pharmaceutical Chemists for the above whole-time non-resident appointment.

The commencing salary will be £300 per annum. The appointment will be subject to the Birmingham Corporation's Superannuation Scheme and to the candidate passing a medical examination, and will be subject to one month's notice on either side.

Further particulars of the appointment may be obtained from the Medical Superintendent, R. P. S. Kelman, Esq., M.B., Ch.B., F.R.C.S. (Eng. and Edin.), to whom applications, stating age, experience and qualifications, accompanied by copies of recent testimonials, should be forwarded not later than Wednesday, 15th July, 1931.

F. H. C. WILTSHIRE,
Town Clerk.

The Council House,
Birmingham.

PARTNERSHIPS.

SHARE offered in sound Business to progressive Chemist-Optician; must be J.C.Q.O. and a live wire of good address and used to high-class business; capital required £1,000, with a view to ultimate succession. Details from 176/22, Office of this Paper.

AGENCIES.

AGENTS required, carrying other lines, for new Slimming Preparation; London and provinces; only those who have very good connections with Beauty Salons, Stores, Hairdressers and Chemists need apply. Write, giving full references, to 177/9, Office of this Paper.

TRAVELLING Agents, with good connections amongst Chemists and Hairdressers, wanted in all territories to sell a non-competitive Toilet Preparation to be supported as soon as possible by advertising; liberal commission basis. Write Box 585, S. C. Peacock, Ltd., Advertising Agents, 1 Bixteth Street, Liverpool, giving full particulars of territories, etc.

PREMISES FOR SALE.

RUISLIP (13 miles of London).—Shop, with accommodation and flat over, situate on a parade serving populated district; three doors from sub-Post Office, 2 minutes of Metro Station; no Chemist within one mile. Particulars of Musson & Roots, G.W. Station Approach, Ruislip. Tel. 532.

PREMISES TO LET.

SMALL Shop, with living accommodation, to let in Bushey, admirably suited for a Chemist; rent 30s. per week, tenant paying rates; immediate possession. Particulars of the Agents, W. S. Weller & Son, Monmouth House, High Street, Watford, Herts.

APPRENTICES.

COUNTY COUNCIL OF MIDDLESEX.

Applications are invited as follows:—

AT THE HILLINGDON HOSPITAL, UXBRIDGE.

APPRENTICE (Pharmaceutical Department); wage 5s. per week and meals when on duty, valued at £20 16s. per annum. Exceptional opportunity of acquiring extensive knowledge of the scientific side of pharmacy. Candidates must hold the necessary Matriculation required by the Pharmaceutical Society of Great Britain for final studies. Applications, in writing or in person, to the Medical Superintendent at the Hospital. (H.24.)

By Order,

ERNEST S. W. HART,

Clerk of the County Council.

Guildhall, Westminster, S.W.1.

SITUATIONS OPEN.

LIVERPOOL.—Permanency for good qualified, young, energetic, trustworthy Manager; busy Dispensing, good Photo experience. State age, salary required, with references and photo (and stamped addressed envelope for its return). 176/38, Office of this Paper.

LONDON, E. (Hford district).—Young lady, age 16-18 years, required to assist on Counter, etc., for Chemist business. Apply, stating age, experience, salary required, references, to 188/682, Office of this Paper.

LONDON SUBURB.—Qualified Manager required for branch; good Window-dresser and tactful Salesman. Apply, stating age, experience, references, salary required, to 188/683, Office of this Paper.

LONDON, N.—Qualified Assistant, view to Managership, for brisk middle-class trade. Please give full particulars of experience, also stating age, height, salary required, and when at liberty. 179/39, Office of this Paper.

LONDON, N.—Wanted, qualified Assistant-Locum for ten weeks from July 20. 180/18, Office of this Paper.

LONDON, W.—Required, male Assistant; must be dependable and experienced Dispenser and adaptable to requirements of a small good-class Family business; salary £170 per annum. State age and if married and full particulars to "Kensington," 179/35, Office of this Paper.

NORFOLK COAST.—A capable male Assistant for season; must be accustomed to first-class Dispensing and Counter-work. Full particulars, age, height, references, salary (outdoors), enclose photograph. Cadman, Dispensing and Photographic Chemist Sheringham.

N.W.2.—ASSISTANT wanted (lady). State experience, references, and salary required, to Guy, Chemist, 5 Broadway, North Circular Road, London N.W.2.

N.W.6.—REQUIRED, immediately, qualified Chemist as Assistant for small business; used to N.H.I.; quick and accurate. State salary, which must be moderate. 179/37, Office of this Paper.

SCARBOROUGH.—Qualified Assistant wanted; one capable of taking charge. Apply, stating age, experience, references, and salary required, to R. W. Holmes, "Semloh," Scalby Road, Newby, Scarborough.

SUSSEX COAST.—Chemist-Optician, registered J.C.Q.O., required at once; must be capable Refractionist and good Salesman; Pharmaceutical qualification not necessary; temporary or permanent. Enclose photo and fullest particulars of experience, age, height and salary required, etc., to 180/38, Office of this Paper.

WEST-END.—Qualified Assistant; good Dispenser and Counterman; age about 25. Reply, stating experience and salary required and when disengaged, P.C.B. 56/7, Office of this Paper.

WYMOUTH.—Junior Assistant (male or female) for season; must be hard worker, reliable, and with good knowledge of practical D. & P. work and also Counter. Full particulars and photo if possible to R. Edmonds, Chemist, Weymouth.

A QUALIFIED Assistant, accustomed to good-class Dispensing, required for West London business. Please give full particulars of age, previous experience, salary required, and when disengaged to J. T. Sambrook, 2 Bushnell Road, Tooting Bec, S.W.17.

A QUALIFIED Manager required to take entire charge of a new branch in Sussex; must be of unimpeachable character; will be required to put £500 into the business; Optical qualification an advantage; good salary and excellent prospects; photo to be enclosed with application. 180/2, Office of this Paper.

AT ONCE.—Locum required for July and August; qualified. Full particulars to L. J. Neal (Chemist), Ltd., 7 Bexhill Road, St. Leonards-on-Sea. Phone: Hastings 2020.

ASSISTANT, Junior, unqualified, wanted, age about 20, for Dispensing and Counter. J. M. James, 256 King Street, Hammersmith.

ASSISTANT required; unqualified; must be reliable Dispenser and good Window-dresser. State age height, previous experience and salary required. Applications not answered in four days respectfully declined. H. J. Bromhall, 10 King Street, Thetford, Norfolk.

COUNTER Assistant (lady) required for quick cash business in working-class business; dispenser kept; to commence duties July 25. Apply, stating age, salary required, and experience, to Morrell & Dixon, 443 Downham Way, Downham, Bromley, Kent.

DISPENSER required. Reply, stating experience and salary required. Drs. Simpson and Davies, 152 Plashet Road, Upton Park, London, E.13.

DOCTOR in South London requires Dispenser-Book-keeper for private practice (no panel); experience essential. 179/51, Office of this Paper.

IMMEDIATELY.—Young Assistant for a few weeks; qualified preferred; opportunity to gain Photo experience. State age, salary (outdoors), etc., and send copies of testimonials to Beeson, Chemist, Iddlow.

JUNIOR Assistant required from July 13 to 25. Apply, with full particulars, to Franklin Baird, Chemist, 2 Cambridge Gardens, Hastings.

LADY Assistant required, M.P.S., for country town about 24 miles from London; good Dispensing and Book-keeping; some knowledge of Photography and Window-dressing; permanency. Full particulars and salary required to 180/30, Office of this Paper.

LOCUM, qualified, about 35, wanted at once; South Coast; Light Dispensing and Retail; lady. Applicants can reply particulars, etc., to P.C.B. 55/27, Office of this Paper.

LOCUM.—Young, qualified lady for the beginning of August. State salary and usual particulars. Davidson, 738 Holloway Road, N.19.

LOCUM (gentleman), qualified, abstainer, for N.H.I. and general Counter work, August 10 to August 22 inclusive. Lowest terms and full particulars to J. Marlar & Son, Ltd., 49/51 High Street, Halstead, Essex.

LOCUM, qualified, wanted from July 18 to August 1, both dates inclusive; must be experienced. Please state terms to Drug Department, Industrial Co-operative Society, Ltd., Hebben Bridge.

LOCUM for week commencing July 20; also qualified Assistant (male), about 25. Full particulars at once to Piper, The Wolsey Pharmacy, 47 St. Nicholas Street, Ipswich.

LOCUM, qualified, either sex, July 6-18. Apply, with full particulars, stating salary required, to E. H. Lacey, 216 St. Paul's Road, Highbury, N.1.

MANAGER for small branch, S.E. London, opening middle July. Particulars, stating salary, P.C.B. 55/12, Office of this Paper.

NEAR MANCHESTER.—Unqualified Junior required in good-class business. State full particulars and salary required to 179/8, Office of this Paper.

PART-TIME Assistant required, indefinitely; mid-Kent; lady preferred; accommodation available. Send particulars to Nichols, Downderry, Ditton, near Maidstone.

QUALIFIED Locum (male) from August 17 for one month; London district. "North," 178/2, Office of this Paper.

QUALIFIED Senior; married; must have had first-class West-End Dispensing experience, with knowledge of Photography and Window-dressing. Please give full particulars as to age, height, experience, salary required, etc. Applications not acknowledged in three days courteously declined. 175/36, Office of this Paper.

QUALIFIED man wanted; good all-round man. Write or call after 7 p.m., "D. B. C.," 43 St. Helier Avenue, Morden.

QUALIFIED Assistant wanted now for Retail and N.H.I.; good at Counter, Window-dressing, knowledge of Photography. Send full particulars, age, experience, salary required, references, permanency if suitable. H. Buckner & Son, Ltd., The Tankerton Circus Pharmacy, Tankerton Road, Whitstable.

QUALIFIED Chemist and Optician required immediately for business in busy main street; excellent prospects for diligent man; salary and commission. Arnold Rumsey & Co., Chemists, 23 Duke Street, Brighton.

QUALIFIED Assistant, not over 28 years of age, possessing first-class experience of Dispensing and Photography, good personality, required immediately for an up-to-date modern pharmacy in the Channel Isles. Write, enclosing references and photo, with full particulars, to 179/36, Office of this Paper.

SPECIAL offer to a qualified man to take an active part as a Director of an established company, limited, with a fixed remuneration, is asked to deposit £250 as a surety under approved agreement; interest on deposit will be paid quarterly. Only principals need apply to 178/30, Office of this Paper.

STATIM—Young, qualified Assistant, able Dispenser, and of gentlemanly appearance and address. Barnes, 205 Knightsbridge, S.W.7.

UNQUALIFIED Assistant, accustomed Store trade; reliable Dispenser; at once. Apply, giving full particulars, "P.," 70 Beckenham Road, Beckenham, Kent.

UNQUALIFIED season Assistant required, lady or gentleman, for six weeks from July 27, for Counter and Dispensing. Reply, with full particulars of age, experience, salary, photo, to R. Lindsay, The Arcade Pharmacy, Littlehampton.

UNQUALIFIED male Assistant (25); must be strong in Counter sales, quick Retail. Prosser Roberts, 13 Church Street, Camberwell, S.E.

UNQUALIFIED Assistant required at odd times as relief in Hampstead district; must be capable Dispenser (high-class); also two weeks full time from August 31 if open. 172/5, Office of this Paper.

WANTED, immediately, qualified Manager to take sole charge of new branch. Apply, giving full particulars, to Mason, 150 Peckham Park Road, S.E.

WANTED, immediately, young, qualified Assistant to manage small branch; must be thoroughly reliable; good opportunity to gain experience in management. Apply in first instance by letter, stating age, height, experience, and salary required (outdoors), to Smart, Chemist, Apsley End, Hemel Hempstead.

WANTED, qualified lady as Locum first fortnight in August; terms and references in first instance; state salary required (indoors); easily worked business and in pleasant situation; assistant kept. W. J. Davies, Chemist, Forest Fach, Swansea.

WANTED, Junior Assistant (male); permanency to suitable applicant. Please send full details of experience and salary required in first letter. Reed, Chemist, Ilfracombe.

WANTED, Locum, qualified, August 31 to September 12 inclusive. 179/40, Office of this Paper.

YOUNG, qualified Assistant wanted at once, either sex, for good-class country business; to live in; comfortable home. State particulars, experience, salary, photo, etc. Wellington, Oakham, Rutland.

YOUNG qualified Assistant required, East London, near the City; excellent prospects for right man used to working-class district. Apply 179/1, Office of this Paper.

WHOLESALE.

LONDON—Wanted, all-round man with experience in Wholesale and Retail Chemist trade to take charge of new sales organisation for internationally known manufacturers. Send testimonials, references, photo, and full details of age, experience, and salary required to Box "Continent 333," c/o Mather & Crowther, Ltd., 10 New Bridge Street, London, E.C.4.

AN opportunity occurs for a man with initiative who could interview Doctors to take up position as Representative with a Pharmaceutical House; good appearance essential; previous experience of wholesale trade not essential. Apply, giving full particulars and salary required, to 188/580, Office of this Paper.

INVOICE Clerk required for City house; previous experience essential; neat writer; quick at figures. Apply, by letter, giving fullest particulars, age and salary, to 188/684, Office of this Paper.

MANUFACTURING firm requires experienced Traveller, carrying other lines, calling on Hairdressers, Chemists, Stores, Grocers, to introduce a new Foot Powder; good commission. State ground covered and full particulars. "Phuteeze," 18 Old Post Office Place, Liverpool.

QUALIFIED Assistant wanted for Poison Room. Apply, with full particulars, age, salary required, Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham.

REPRESENTATIVE required by leading house to call principally on Doctors, Hospitals, Institutions, etc.; successful experience in interviewing essential. State full particulars and salary required to "H. F. C.," Box 251, c/o C. Mitchell & Co., 1 Snow Hill, E.C.1.

REPRESENTATIVE required by manufacturers to sell to Chemists first-class range of Specialities sold under "Known, Admitted and Approved Remedies Concession"; salary and commission; progressive position; suit smart young assistant who is salesman. Correspondence treated in confidence. Write 188/678, Office of this Paper.

REPRESENTATIVE required in town and country to handle the old-established Kraska Nail Polish and allied Specialities on a liberal commission basis; a sound connection amongst Chemists, Hairdressers, Stores, etc., is essential; advertising campaign now starting. Full particulars to the Kraska Co., Ltd., 65 Portobello Road, W.11.

REPRESENTATIVE required by London firm manufacturing Medicinal Capsules, Lozenges and Pastilles, etc., to cover London, South of Thames, also Kent, Surrey, Sussex, Berks and Oxon; established Chemists' connection essential. Full particulars to "F. R., Ltd.," 188/664, Office of this Paper.

REPRESENTATIVE required for S. and S.W. London with good connection among Chemists and Grocers; salary and commission; excellent prospects. Write, stating experience, etc., to Box Z.G.728, Deacon's, Fenchurch Avenue, E.C.3.

REQUIRED, competent, energetic Manager for Drug Department to take entire charge in Ireland, also to act as Assistant Manager; need not be qualified; must be alert and have first-class credentials; general knowledge of Retail Chemists' business essential; must be good organiser and able to control staff; single man preferred. Apply, with full particulars, stating salary required, to 188/665, Office of this Paper.

TO gentlemen having sound connection with Wholesale and Retail Chemists. The M.M.T.P. Co. are widening the scope of their activities (for their popular pack in carton) and offer a profitable proposition to commission Salesmen in centres where not already represented: Write for terms of this daily commodity, with unlimited prospects; give particulars, ground covered, lines carried. The Miss Muffet Toilet Paper Co., 1 Julian Road, West Bridgford, Nottingham.

WANTED, at once, in a London Wholesale Druggists, a Copying Clerk; must be quick typist and with a knowledge of the Drug trade. Reply, with full particulars, to "D.," 188/665, Office of this Paper.

WANTED, experienced Sales Traveller, with first-class connections with Wholesale Druggists and Manufacturing Chemists, able to take up additional interesting line; strict confidence guaranteed. Write, with full details, 188/681, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

A.A.—ASSISTANT; unqualified; 27; first-class experience (7 years); active worker; tall; London preferred, not essential; moderate salary; available immediately. Griffiths, Post Office, Talybont, Cardiganshire.

A.A.—ADVERTISER; 40; unqualified; 5 ft. 8 in.; emergency, Locum, permanency; well recommended; abstainer; disengaged. Alexander, 189 Southampton Street, S.E.5.

A.A.—ASSISTANT or Locum; unregistered; Dispensing, Counter, Windows, Prescribing; experienced; competent; trustworthy. Harries, 28 Carroun Road, S.W.8.

AN ASSISTANT, capable, young, qualified, desires change; keen; energetic; salary moderate. Apply "Bona-fide," 1 Locksley Street, Burdett Road, E.14.

A LOCUM; unqualified; energetic worker; free for July and early August; terms moderate. Cox, 2 Hillside Villas, Hivings Hill, Chesham, Bucks.

ACTIVE, experienced (24 years) Assistant seeks permanent position with scope for initiative; fully conversant all branches high-class Dispensing; recently relinquished own successful business; technician Photo and Optics (S.M.C.); live display methods; unqualified; 40; married; available immediately; interview. 180/3, Office of this Paper.

AN experienced Locum; disengaged; excellent references; moderate terms. "Reliable," 100 Star Street, London, W.2.

AN experienced Pharmacist is open to accept Locum or short period engagement in any district from July 27. Apply to "J. F. T.," 8 Waterloo Road, South Yardley, Birmingham.

AN opportunity to take a good holiday with complete confidence! Experienced Chemist seeks engagement for August and September in small seaside or country town; sound credentials; moderate salary; interview; free. 179/10, Office of this Paper.

AS General Assistant (lady); Counter and Toilet; experienced. "F. W.," 53 Chichester Road, Kilburn, N.W.6.

ASSISTANT, unqualified, 24, single. West-End experience, desires change; W. London. "S. A. G.," 20a Broadway, Hammersmith.

ASSISTANT or Manager; competent; experienced Dispenser. Salesman; middle-aged; single; active; unqualified. "Statim," 23 Moss Street, Newsome Road, Huddersfield.

ASSISTANT; unqualified; 22; Dispensing and Counter; can manage; free July 15. Apply "Candidus," c/o 50 High Street, Coalport, Shropshire.

ASSISTANT, 19½, requires temporary post, July 6 to September 1; reliable Dispenser, good Salesman; 3½ years' experience; good references; London preferred. "C," 47 Aldbourne Road, W.12.

ASSISTANT, 21, desires temporary engagement for about two months, commencing about July 15; first-class experience all branches; practical Photography, etc.; highest references. "W.," 81 Revidge Road, Blackburn.

AUGUST.—Locum free first or/and second weeks, London, preferably South or Victoria region; absolutely trustworthy; accustomed management. 1 Lyndon Avenue, Wallington.

BRANCH MANAGER; qualified; 27; excellent Salesman and Counterman; accurate Dispenser; conscientious and energetic worker; good references; would take financial interest if required. "Chemist," 108 Clements Road, South Yardley, Birmingham.

CAPABLE Assistant; all branches; unqualified; tall; abstainer; excellent testimonials; London only; interview. "Statim," 179/50, Office of this Paper.

CHEMIST; qualified; first-class experience; reliable; Locums or permanency. Preston, 3 Old Castle Avenue, Withington, Manchester.

CHEMIST'S Assistant, lady (Hall), requires situation; Locum or permanency; 7 years' high-class Dispensing experience; Counter, Window-dressing; excellent references; London or South preferred; disengaged. "M.," 228 Westbourne Grove, Bayswater, W.11.

CHEMIST desires position as Manager with view to early succession; country town preferred; capital available. 180/12, Office of this Paper.

CHEMIST-OPTICIAN, with full knowledge of sub-Post Office routine, desires Locum or permanency; free any time; age 38; tall, smart, and fully experienced; well recommended; personal interview within 50 miles any time; terms moderate. Sansom, Chemist, Rosemary Street, Mansfield.

CHEMIST-OPTICIAN, F.B.O.A., J.C.Q.O., 31, managing 8 years, Manchester, London and country, thoroughly competent both branches, requires position, easy reach of Halifax-Burnley district; first-class references; free one month from engagement; interview. Richardson, Salem Buildings, Hebden Bridge, Yorks.

DISENGAGED.—Competent lady; 26; unqualified; Locum or periods; 9 years' excellent Dispensing, Counter, Photography experience. 16 Willow Street, London, E.1.

EDUCATED young lady, 22, seeks position in pharmacy; London or abroad; experienced Fancy Goods; good references. 177/23, Office of this Paper.

FULLY competent Assistant (23), qualified, desires permanency or season; excellent references; experienced; disengaged July 23; anywhere; South preferred. 179/17, Office of this Paper.

GENERAL Assistant, lady, 28; Counter and Toilet; experienced; excellent references. "X. Y. Z.," 38 Essex Road, Barking, Essex.

LADY Dispenser (Hall), Nursing experience, desires post, Doctor, Institution; London, Brighton. "M.," 9 Bulstrode Street, Welbeck Street, W.1.

LADY Dispenser (Hall) requires post, Chemist, Doctor or Institution; 4 years' excellent experience, Dispensing and Book-keeping. "M. D.," 17 Tulsemead Road, West Norwood, S.E.27. Phone: Streatham 6809.

LADY, 21, unqualified, desires post; 5 years' experience; good-class Dispensing and Counter; free when suited. 178/38, Office of this Paper.

LADY, 22, 3½ years' experience, requires post; Toilet, Drug Counter, Light Retail; no dispensing. 65 Tavistock Gardens, Ilford.

LADY Assistant desires post; unqualified; 12 years' experience, London, provinces and Coast; Dispensing, Counter, Window-dressing, etc.; tall; good references; now free. "Statim," 12 Paddock Road, Chicklegood.

LOCUM-MANAGEMENT; over 30 years' experience; not registered; Hospitals, heavy Panel, Counter, Prescriber, Salesman, Stock, Books and Buyer, and good general all-round man. "G.," 150 Scott-Ellis Gardens, N.W.8.

LOCUM—Fortnights or longer engagements desired by Chemist with long and repeated references. Fitt, 36 St. Stephen's Road, Norwich.

LOCUM or permanency; unqualified; competent; active; reliable; Prescriber; abstainer; single; engaged Nottingham until July 26, also Derby August 17 to 30; vacant July 27 to August 16 and August 31 onwards. Permanent address: Howard, 30 Pimlico, Ilkeston (Derbys).

LOCUM disengaged June 29 to July 30 through changed dates; highest references. "Chemicus," 56 Rudloe Road, Balham, S.W.12.

LOCUM, relief; some vacant dates; 30 years' varied experience. "Chemicus," 55 Clarence Street, Gt. Clowes Street, Manchester.

LOCUM or permanent; unqualified; 25 years' all-round experience, London and country; single. "Chemicus," 3 Highclere House, Knaphill, Woking.

LOCUM; qualified; 48; West-End and provincial experience; references good; disengaged July 9-31. 55 West Street, Dorking.

LOCUM; qualified; experienced; recommended; London or South Coast; free August 10-29. "Chemist," 236 Stafford Road, Wallington, Surrey.

LOCUM; qualified; elderly; vacant dates from July 6 to August 1; experienced. "H.," 18 Westmoreland Road, Bayswater, W.2.

LOCUM, qualified, trustworthy, satisfactory references, London and provincial experience, free July 6 to July 11 inclusive, and July 27 to August 22 inclusive. "Chemist," 8 Victoria Street, Taunton.

LOCUM or Manager; free July 5; qualified; reliable; excellent references; abstainer. Thomas, 37 Downs Road, Clapton. Phone: Clissold 1448.

LOCUM; middle-age; active; well recommended; been in own business; liberty after July 16. "H.," c/o Bray, Chemist, Crowborough, Sussex.

LOCUM; qualified; experienced; Square trained; excellent references; July 18-August 1 and September 5-12; London, Leicester or South England. "W. S. L.," 44 Princess Road, Leicester.

LOCUM, qualified Pharmacist and Optician, has dates vacant in July and August; F.B.O.A., F.S.M.C.; conscientious, thoroughly experienced, reliable. Ellis, c/o Betten, Chemist, Worthing.

MANAGER; qualified; experienced and capable; married; 35; used staff control and £7,000 per annum turnover; any business; permanent. Please write to "Prosperity," 177/50, Office of this Paper.

M.P.S., F.S.M.C. (and Supplemental), 25, Square trained, requires change; managerial position; sound experience in all branches; good references. 178/31, Office of this Paper.

M.P.S. (lady, 23), disengaged July 6, desires post; London or suburbs. 1 Hopefield Avenue, Brondesbury Park, N.W.6.

M.P.S. highly recommends his lady Assistant; 25; smart appearance; thorough knowledge Photography; accustomed quick Counter trade, Window-dressing; very competent; not afraid of work; disengaged immediately; 4 years present situation. "C.," 71 Wordsworth Road, Penzance, S.E.

PART-TIME, London, any capacity; Student (Part II), completed course; 14 years' experience, London and provincial; competent; interview. W. E. Clark, 13 Gaden Road, Clapham, S.W.4.

QUALIFIED, as Manager or responsible position; disengaged; London district preferred. 175/10, Office of this Paper.

QUALIFIED lady, young, desires post in London; Locum or permanency; excellent experience; able to take charge; references; interview; free. 176/7, Office of this Paper.

QUALIFIED, 25, single, desires post as Manager or Assistant; permanency; Dispensing, Photography. "M.P.S.," 2 Cedar Avenue, Shirley, Southampton.

QUALIFIED lady Assistant, 10 years' good experience (private and company) in city, suburb, provinces, seeks post; season or permanency. 178/16, Office of this Paper.

QUALIFIED, 30, married, as Manager; London, suburban and West-End experience, all branches; free July 25. Reid, 16 Alderman's Hill, Palmers Green, London, N.15.

QUALIFIED, 25, free August 29, with sound Dispensing experience, West-End, Coast and Provincial, seeks one month's engagement. 180/15, Office of this Paper.

QUALIFIED widow desires post; accommodation (unfurnished) on premises; some lapse; Notts preferred, not essential. Hutchinson, Towyn, Abergele.

SHEFFIELD DISTRICT.—Qualified; 26; married; smart; tall; Manager or Assistant; excellent Counter and Dispensing experience; free one month. 179/7, Office of this Paper.

UNQUALIFIED; 12 years' experience; excellent references; has been out of business and wishes to commence again; very low wages accepted for six months or longer. 175/37, Office of this Paper.

UNQUALIFIED; 25 years' experience; Dispenser, Counter work and knowledge of Photography. C. F. Hosking, 34 Sandringham Road, Sundridge Park, Bromley.

UNQUALIFIED lady; young; London and provincial experience; excellent references; good worker. 178/17, Office of this Paper.

UNQUALIFIED Assistant, 27, thoroughly trained, Dispensing, Counter, Windows, high-class London experience, seeks situation in London; £3 weekly. 180/9, Office of this Paper.

YOUNG lady; age 25; good Dispenser; 6 years' Retail experience; Part I; disengaged owing to staff reduction; highest references; Doctor or Retail. Northam, 160 Elborough Street, Southfields, S.W.18.

ADVERTISERS would consider the **PURCHASE OF GOODWILL**, etc., of any **PATENT MEDICINE** or **PROPRIETARY ARTICLE**—or **ARRANGE** for its **MANUFACTURE** and **DISTRIBUTION**.

State full particulars, 174/209, Office of this Paper.

WHOLESALE.

A.A.—**FIRST-CLASS** Retail and Wholesale Manufacturing Specialities experience, 27, educated, desires post; London or Home Counties. 176/1, Office of this Paper.

A **PERFUMERY** Chemist (M.P.S.), many years' experience manufacturing Toilet Articles, Concentrated Essences, and Perfumes, ability to create lines of originality and taste, desires situation in or near London. 176/19, Office of this Paper.

A **REPRESENTATIVE**, large personal connection South and West England, requires position progressive House; Drugs, Packed Goods, or Proprietary. 179/6, Office of this Paper.

A **N** exceptional opportunity to acquire services of experienced Representative and expert Propagandist; sound connection North; salary and expenses. 179/24, Office of this Paper.

C **CHEMIST'S** son, gentlemanly, 31, abstainer, with high-class Retail experience, seeks position as Traveller or Representative with house of repute; good references; Midlands preferred. 176/2, Office of this Paper.

C **OMPETENT** man, long experience actual manufacture Toilet Preparations, Pharmaceutical Products, Perfumery, etc., seeks situation, small firm, view of advancement. 179/4, Office of this Paper.

M **ALE** Clerk, age 39, seeks situation in Drug trade; 14 years' experience with Manchester firm of Wholesale Chemists. 178/34, Office of this Paper.

N **ORTH-EAST COAST AREA**.—Advertiser, 29, highest integrity, wishes represent progressive House. Packed Goods, Specialities, Proprietary lines preferred. 180/5, Office of this Paper.

R **ELIABLE** Salesman, 12 years' sound connection, Chemists, Stores, Hairdressers, Yorks, Lancs, Notts and North, open for representation of first-class house; excellent references and sales record; resident Leeds. 178/39, Office of this Paper.

R **EPRESENTATIVE**, first-class connection London Stores and Chemists, requires two representations; only first-class houses entertained. P.C.B. 55/2, Office of this Paper.

R **EPRESENTATIVE**, doing large turnover, extensive personal connection London and Suburban Stores, Chemists, Hairdressers, seeks change or additional lines. P.C.B. 55/15, Office of this Paper.

Y **OUNG** man seeks position with a house of repute as Representative; keen, hard-working, ambitious, an efficient Salesman. 180/90, Office of this Paper.

FOR SALE.

F **OR** Sale, at half cost, rotary 3-punch Tablet Machine by Kilian; output 2,000 per hour; tablets to $\frac{1}{2}$ in. diameter. 177/26, Office of this Paper.

MISCELLANEOUS.

C **CHEMISTS' FITTINGS**.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., ready for immediate delivery at competitive prices. Write or call for List. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

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